

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 2, 2003, 02:15:49 ; Search time 218.096 Seconds
(without alignments)
246.943 Million cell updates/sec

Title: US-09-607-745-9

Perfect score: 1600

Sequence: 1 MDSKGSQKSRLLLLLVSN.....LNWIYNVWKAELSRHHHHH 292

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1266	79.1	406	9	US-09-851-588-6
2	1266	79.1	423	11	US-09-776-191-72
3	1266	79.1	423	15	US-10-264-820-23
4	1266	79.1	423	15	US-10-254-289-2
5	1266	79.1	432	11	US-09-888-257A-7
6	1266	79.1	432	11	US-09-946-374-275
7	1266	79.1	432	12	US-10-015-387A-275
8	1266	79.1	432	12	US-10-063-735-112
9	1266	79.1	432	12	US-10-006-130A-275
10	1266	79.1	432	12	US-10-199-672-330
11	1266	79.1	432	12	US-10-006-172A-275
12	1266	79.1	432	12	US-10-187-749-330
13	1266	79.1	432	12	US-10-194-457-330
14	1266	79.1	432	12	US-10-184-642-330
15	1266	79.1	432	12	US-10-196-747-330

16	1266	79.1	432	12	US-10-015-392A-275	Sequence 275, App
17	1266	79.1	432	12	US-10-017-253A-275	Sequence 275, App
18	1266	79.1	432	12	US-10-173-689-330	Sequence 330, App
19	1266	79.1	432	12	US-10-173-690-330	Sequence 330, App
20	1266	79.1	432	12	US-10-173-691-330	Sequence 330, App
21	1266	79.1	432	12	US-10-173-692-330	Sequence 330, App
22	1266	79.1	432	12	US-10-173-694-330	Sequence 330, App
23	1266	79.1	432	12	US-10-173-698-330	Sequence 330, App
24	1266	79.1	432	12	US-10-173-699-330	Sequence 330, App
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26	1266	79.1	432	12	US-10-174-569-330	Sequence 330, App
27	1266	79.1	432	12	US-10-174-583-330	Sequence 330, App
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29	1266	79.1	432	12	US-10-174-589-330	Sequence 330, App
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31	1266	79.1	432	12	US-10-175-736-330	Sequence 330, App
32	1266	79.1	432	12	US-10-175-742-330	Sequence 330, App
33	1266	79.1	432	12	US-10-175-745-330	Sequence 330, App
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35	1266	79.1	432	12	US-10-175-751-330	Sequence 330, App
36	1266	79.1	432	12	US-10-175-754-330	Sequence 330, App
37	1266	79.1	432	12	US-10-176-480-330	Sequence 330, App
38	1266	79.1	432	12	US-10-176-489-330	Sequence 330, App
39	1266	79.1	432	12	US-10-176-489-330	Sequence 330, App
40	1266	79.1	432	12	US-10-176-754-330	Sequence 330, App
41	1266	79.1	432	12	US-10-176-755-330	Sequence 330, App
42	1266	79.1	432	12	US-10-176-759-330	Sequence 330, App
43	1266	79.1	432	12	US-10-176-920-330	Sequence 330, App
44	1266	79.1	432	12	US-10-176-922-330	Sequence 330, App
45	1266	79.1	432	12	US-10-176-924-330	Sequence 330, App

ALIGNMENTS

RESULT 1
US-09-851-588-6
; Sequence 6, Application US/09851588
; Patent No. US20020042067A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt C.
; APPLICANT: Wilson, Keith E.
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AN.
; FILE REFERENCE: A-68829-1/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/851,588
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/642,252
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/656,002
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-851-588-6

Query Match	79.1%;	Score 1266;	DB 9;	Length 406;
Best Local Similarity	97.4%;	Pred. No. 5.9e-117;		
Matches	228;	Conservative	2;	Mismatches 4; Indels 0; Gaps 0;
QY	51	KIVGGYALDVDSWPWQVSIQYDKQHVCGSILDPHWLTAACHFRKHTDVFNWKVRAGSD	110	
Db	173	RVVGEEASVDSWPWQVSIQYDKQHVCGSILDPHWLTAACHFRKHTDVFNWKVRAGSD	232	
QY	111	KLGSPPSLAVAKIIIIIFPNMYPKNDIALMKIQPPLTFSGTVRPICLPFFDEELTPATP	170	
Db	233	KLGSPPSLAVAKIIIIIFPNMYPKNDIALMKIQPPLTFSGTVRPICLPFFDEELTPATP	292	
QY	171	LWIIGWFTKQNGGKMSDILLOASVQVIDSTFCNADDAAYQGEVTEKMCAGIPEGGVDTCT	230	

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Db 293 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMKAGIPEGGVDTG 352
QY 231 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 284
Db 353 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 406

RESULT 2
US-09-776-191-72
; Sequence 72, Application US/09776191
; Publication No. US20030119168A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Edgar O. Ong
; APPLICANT: Jiunn-Chern Yeh
; APPLICANT: Corvas International, Inc.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND
; TITLE OF INVENTION: METHODS BASED THEREON
; FILE REFERENCE: 24745-1607
; CURRENT APPLICATION NUMBER: US/09/776,191
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/213,124
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/234,840
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/179,982
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 60/183,542
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: 09/657,968
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 72
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-776-191-72

Query Match 79.1%; Score 1266; DB 11; Length 423;
Best Local Similarity 97.4%; Pred. No. 6.2e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHFRKHTDVFVNWKVRAGSD 110
Db 190 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHFRKHTDVFVNWKVRAGSD 249
QY 111 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 170
Db 250 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 309
QY 171 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMKAGIPEGGVDTG 230
Db 310 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMKAGIPEGGVDTG 369
QY 231 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 284
Db 370 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 423

RESULT 3
US-10-264-820-23
; Sequence 23, Application US/10264820
; Publication No. US20030108926A1
; GENERAL INFORMATION:
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: No. US20030108926A1 Methods of Diagnosing Colorectal Cancer,
; TITLE OF INVENTION: Compositions, and Methods of Screening for Colorectal
; TITLE OF INVENTION: Cancer Modulators
; FILE REFERENCE: 018501-006141US
; CURRENT APPLICATION NUMBER: US/10/264,820
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; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 09/268,866
; PRIOR FILING DATE: 1999-03-15
; PRIOR APPLICATION NUMBER: US 09/435,945
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: US 09/436,983
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: US 09/450,857
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: US 09/453,850
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human CGA8
US-10-264-820-23

Query Match 79.1%; Score 1266; DB 15; Length 423;
Best Local Similarity 97.4%; Pred. No. 6.2e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHFRKHTDVFVNWKVRAGSD 110
Db 190 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHFRKHTDVFVNWKVRAGSD 249
QY 111 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 170
Db 250 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 309
QY 171 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMKAGIPEGGVDTG 230
Db 310 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMKAGIPEGGVDTG 369
QY 231 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 284
Db 370 QGDSGGPLMYQSDQWHVVGIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAEL 423

RESULT 4
US-10-254-289-2
; Sequence 2, Application US/10254289
; Publication No. US20030118509A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AN
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-69108/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/10/254,289
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US/09/656,002
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US 00/07044
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-254-289-2

Query Match 79.1%; Score 1266; DB 15; Length 423;
Best Local Similarity 97.4%; Pred. No. 6.2e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
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Db 190 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHHTDVFNWKVRAGSD 249
QY 111 KLGSPPSLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATP 170
Db 250 KLGSPPSLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATP 309
QY 171 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMWKAGIPEGGVDT 230
Db 310 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMWKAGIPEGGVDT 369
QY 231 QGDSGGPLMYQSDQHVGVIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAE 284
Db 370 QGDSGGPLMYQSDQHVGVIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAE 423

RESULT 5

US-09-888-257A-7
; Sequence 7, Application US/09888257A
; Publication No. US20030060612A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Polakis, Paul
; APPLICANT: Smith, Victoria
; APPLICANT: Wood, William I.
; APPLICANT: Wu, Thomas D.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5002R1
; CURRENT APPLICATION NUMBER: US/09/888,257A
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/063,540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: US 60/089,653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 60/099,792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: US 60/103,678
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: US 60/235,451
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: PCT/US99/20111
; PRIOR FILING DATE: 1999-09-01
; PRIOR APPLICATION NUMBER: PCT/US00/04342
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/06666
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 7
; LENGTH: 432

TYPE: PRT

ORGANISM: Homo Sapien
US-09-888-257A-7

Query Match 79.1%; Score 1266; DB 11; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHHTDVFNWKVRAGSD 110
Db 199 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHHTDVFNWKVRAGSD 258
QY 111 KLGSPPSLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPPSLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATP 318
QY 171 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMWKAGIPEGGVDT 230
Db 319 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMWKAGIPEGGVDT 378
QY 231 QGDSGGPLMYQSDQHVGVIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAE 284
Db 379 QGDSGGPLMYQSDQHVGVIVSWGCGGPGSTPGVYTKVSAYLNWIYNVWKAE 432

RESULT 6

US-09-946-374-275
; Sequence 275, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596

[illegible]

; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807

Query Match 79.1%; Score 1266; DB 11; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 110
Db 199 RVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 258

QY 111 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 230
Db 319 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 378

QY 231 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 284
Db 379 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 432

RESULT 7

US-10-015-387A-275
; Sequence 275, Application US/10015387A
; Publication No. US20030135034A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C54
; CURRENT APPLICATION NUMBER: US/10/015,387A
; CURRENT FILING DATE: 2001-12-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 275
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-015-387A-275

Query Match 79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 110
Db 199 RVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 258

QY 111 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 230
Db 319 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 378

QY 231 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 284
Db 379 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 432

RESULT 8

US-10-063-735-112
; Sequence 112, Application US/10063735
; Publication No. US20030138882A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,735
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 112
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-735-112

Query Match 79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 110
Db 199 RVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAHCFRKHDTDFVFNWKVRAGSD 258

QY 111 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 230
Db 319 LWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMKCAGIPEGGVDTC 378

QY 231 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 284
Db 379 QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAE 432

RESULT 9

US-10-006-130A-275
; Sequence 275, Application US/10006130A
; Publication No. US20030148375A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.

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; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C7
; CURRENT APPLICATION NUMBER: US/10/006,130A
; CURRENT FILING DATE: 2002-03-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 275
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-130A-275

Query Match          79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHCFRKHTDVFNWKVRAGSD 110
Db 199 RVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHCFRKHTDVFNWKVRAGSD 258
QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTSGTVRPICLPFFDEELTPATP 318
QY 171 LWIIGWGTQKQGGKMSDILLQASVQVIDSTRCNADDAAYQGEVTEKMMCAGIPEGGVDTC 230
Db 319 LWIIGWGTQKQGGKMSDILLQASVQVIDSTRCNADDAAYQGEVTEKMMCAGIPEGGVDTC 378
QY 231 QGDSGGPLMYQSDQWHVVGVISWGYCGGSPSTPGVYTKVSAYLNWIYNWKAE 284
Db 379 QGDSGGPLMYQSDQWHVVGVISWGYCGGSPSTPGVYTKVSAYLNWIYNWKAE 432

RESULT 10
US-10-199-672-330
; Sequence 330, Application US/10199672
; Publication No. US20030148442A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/199,672
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21

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; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-672-330

Query Match          79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHCFRKHTDVFNWKVRAGSD 110
Db 199 RVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHCFRKHTDVFNWKVRAGSD 258
QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTSGTVRPICLPFFDEELTPATP 318
QY 171 LWIIGWGTQKQGGKMSDILLQASVQVIDSTRCNADDAAYQGEVTEKMMCAGIPEGGVDTC 230
Db 319 LWIIGWGTQKQGGKMSDILLQASVQVIDSTRCNADDAAYQGEVTEKMMCAGIPEGGVDTC 378
QY 231 QGDSGGPLMYQSDQWHVVGVISWGYCGGSPSTPGVYTKVSAYLNWIYNWKAE 284
Db 379 QGDSGGPLMYQSDQWHVVGVISWGYCGGSPSTPGVYTKVSAYLNWIYNWKAE 432

RESULT 11
US-10-006-172A-275
; Sequence 275, Application US/10006172A
; Publication No. US20030153000A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C11
; CURRENT APPLICATION NUMBER: US/10/006,172A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02

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; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

Query Match          79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHTDVFVNKVRAGSD 110
Db 199 RVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHTDVFVNKVRAGSD 258

QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWGFTKONGGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMMCAGIPEGGVDTC 230
Db 319 LWIIGWGFTKONGGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMMCAGIPEGGVDTC 378

QY 231 QGDSGGPLMYQSDQWHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 284
Db 379 QGDSGGPLMYQSDQWHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 432

RESULT 12
US-10-187-749-330
; Sequence 330, Application US/10187749
; Publication No. US20030153036A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/187,749
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
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; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-749-330

Query Match          79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHTDVFVNKVRAGSD 110
Db 199 RVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHTDVFVNKVRAGSD 258

QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFSGTVRPICLPFFDEELTPATP 170
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWGFTKONGGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMMCAGIPEGGVDTC 230
Db 319 LWIIGWGFTKONGGKMSDILLQASVQVIDSTRCNADDDAYQGEVTEKMMCAGIPEGGVDTC 378

QY 231 QGDSGGPLMYQSDQWHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 284
Db 379 QGDSGGPLMYQSDQWHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 432

RESULT 13
US-10-194-457-330
; Sequence 330, Application US/10194457
; Publication No. US20030153037A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C296
; CURRENT APPLICATION NUMBER: US/10/194,457
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-457-330

Query Match 79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 110
:|||||
Db 199 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 258

QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 170
|||||
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 230
|||||
Db 319 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 378

QY 231 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 284
|||||
Db 379 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 432

RESULT 14
US-10-184-642-330
; Sequence 330, Application US/10184642
; Publication No. US20030157635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C194
; CURRENT APPLICATION NUMBER: US/10/184,642
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-642-330

Query Match 79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 110
:|||||
Db 199 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 258

QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 170
|||||

Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 230
|||||
Db 319 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 378

QY 231 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 284
|||||
Db 379 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 432

RESULT 15
US-10-196-747-330
; Sequence 330, Application US/10196747
; Publication No. US20030162250A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C346
; CURRENT APPLICATION NUMBER: US/10/196,747
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-747-330

Query Match 79.1%; Score 1266; DB 12; Length 432;
Best Local Similarity 97.4%; Pred. No. 6.3e-117;
Matches 228; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 51 KIVGGYALDVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 110
:|||||
Db 199 RVVGEEASVDSWPQVSIQYDKQHVCGGSILDPHWLTAACHCFKHTDVFNWKVRAGSD 258

QY 111 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 170
|||||
Db 259 KLGSPPSLAVAKIIIEFNPMYPKNDIALMKLQFPPLTFSGTVRPICLPFFDEELTPATP 318

QY 171 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 230
|||||
Db 319 LWIIGWGFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAPIEGGVDTG 378

QY 231 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 284
|||||
Db 379 QGDSGGPLMYQSDQHVVGIVSWGCGGSPSTPGVYTKVSAYLNWIYNVWKAEL 432

Search completed: December 2, 2003, 02:51:18
Job time : 218.096 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 2, 2003, 00:14:04 ; Search time 21.2875 Seconds
(without alignments)
580.377 Million cell updates/sec

Title: US-09-607-745-9
Perfect score: 1600
Sequence: 1 MDSKSSSQSRLLLLLVSN.....LNWIYNVKAELSRHHHHH 292

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters:	328717
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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 s

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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pcp:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pcp:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pcp:*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pcp:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pcp:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	1266	79.1		423	4	US-09-656-002-2	Sequence 2, Appli
2	1266	79.1		435	3	US-09-008-271A-6	Sequence 6, Appli
3	765	47.8		316	4	US-09-387-375-9	Sequence 9, Appli
4	754.5	47.2		315	4	US-09-386-653A-9	Sequence 9, Appli
5	746	46.6		328	4	US-09-386-642-11	Sequence 11, Appl
6	740.5	46.3		327	4	US-09-386-629-8	Sequence 8, Appli
7	672.5	42.0		289	4	US-09-386-642-14	Sequence 14, Appl
8	645	40.3		288	4	US-09-386-642-13	Sequence 13, Appl
9	601.5	37.6		306	4	US-09-386-642-53	Sequence 53, Appl
10	593	37.1		319	4	US-09-386-642-12	Sequence 12, Appl
11	574	35.9		284	4	US-09-386-642-54	Sequence 54, Appl
12	526.5	32.9		418	1	US-08-508-448C-25	Sequence 25, Appl
13	526.5	32.9		418	4	US-09-370-838-82	Sequence 82, Appl
14	526.5	32.9		418	4	US-09-370-838-83	Sequence 83, Appl
15	524.5	32.8		418	4	US-09-370-838-62	Sequence 62, Appl
16	522.5	32.7		232	1	US-08-508-448C-19	Sequence 19, Appl
17	507	31.7		454	3	US-09-518-046-2	Sequence 2, Appli
18	506	31.6		492	3	US-09-342-749-2	Sequence 2, Appli
19	506	31.6		492	4	US-09-691-840-2	Sequence 2, Appli
20	505.5	31.6		376	4	US-09-820-002-2	Sequence 2, Appli
21	505.5	31.6		417	4	US-09-820-002-4	Sequence 4, Appli
22	499.5	31.2		256	2	US-09-027-337-3	Sequence 3, Appli
23	499.5	31.2		256	4	US-09-644-600-3	Sequence 3, Appli
24	497.5	31.1		255	3	US-08-944-483-67	Sequence 67, Appl
25	497	31.1		283	3	US-08-807-151-1	Sequence 1, Appli
26	497	31.1		283	4	US-09-478-957-1	Sequence 1, Appli
27	491.5	30.7		416	2	US-09-000-846-2	Sequence 2, Appli

28	489	30.6	638	2	US-08-681-151-3	Sequence 3, Appli
29	482	30.1	285	4	US-09-023-942A-26	Sequence 26, Appl
30	477	29.8	248	3	US-08-944-483-63	Sequence 63, Appl
31	463.5	29.0	246	2	US-08-978-404B-44	Sequence 44, Appl
32	463.5	29.0	250	3	US-08-944-483-68	Sequence 68, Appl
33	461.5	28.8	407	4	US-09-734-675-4	Sequence 4, Appli
34	456.5	28.5	314	4	US-09-023-942A-6	Sequence 6, Appli
35	455	28.4	284	4	US-09-387-375-7	Sequence 7, Appli
36	453.5	28.3	247	2	US-08-956-267A-2	Sequence 2, Appli
37	451.5	28.2	314	3	US-09-008-271A-3	Sequence 3, Appli
38	450.5	28.2	312	4	US-09-023-942A-4	Sequence 4, Appli
39	444	27.8	855	2	US-09-027-337-2	Sequence 2, Appli
40	444	27.8	855	4	US-09-644-600-2	Sequence 2, Appli
41	443	27.7	790	4	US-08-991-761A-13	Sequence 13, Appli
42	442.5	27.7	290	4	US-09-386-653A-7	Sequence 7, Appli
43	441.5	27.6	812	1	US-08-248-629A-1	Sequence 1, Appli
44	441.5	27.6	812	1	US-08-451-932-1	Sequence 1, Appli
45	441.5	27.6	812	1	US-08-452-260-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

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US-09-656-002-2
; Sequence 2, Application US/09656002
; Patent No. 645668
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAG
; TITLE OF INVENTION: OF SCREENING FOR COL
; FILE REFERENCE: A-69108/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/656,002
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US 00/07044
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-002-2

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	Best Local Similarity	97.4%;	Pred. No. 5.5e-128;		
	Matches 228;	Conservative	2;	Mismatches 4;	Indels 0; Gaps 0;
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Db	190	RVWGEEASVDSWPWQVSIQYDKQHVCGGSILDPBHWLTAACHCFRKHTDVFNVKVRAGSD	249		
QY	111	KLGSFPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATP	170		
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QY	171	LWIIGWGFTKQNGCKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAGIPEGGVDTCT	230		
Db	310	LWIIGWGFTKQNGCKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAGIPEGGVDTCT	369		
QY	231	QGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVSAYLNWIYNVWKAEI	284		
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US-09-008-271A-6


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; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
; OTHER INFORMATION: with homo sapien serine protease catalytic domain
US-09-386-642-14

Query Match          42.0%; Score 672.5; DB 4; Length 289;
Best Local Similarity 48.5%; Pred. No. 2.8e-64;
Matches 148; Conservative 39; Mismatches 89; Indels 29; Gaps 11;

QY 1 MDSKSSQKSRLLLLLLVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGY-ALD 59
Db 1 MDSKSSQKSRLLLLLLVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYNCLE 60

QY 60 VDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRK-----HTDVFVNWKVRAGSDK---- 111
Db 61 KHSQPWQAALFEKTRLLCGATLIAPRWLLTAAHCLKPRYIVHLGOHNLQKEEGCEQTRTA 120

QY 112 LGSFPLAVAKIIIEFNPMYP-KD--NDIALMKLQFPLTFSGTVRPICLPFFDEELTPA 168
Db 121 TESFPHPG-----FNNSLPNKDHRNDIMLVKMASPVSIITWAVRPLTLS--SRCVTAG 170

QY 169 TPLWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAGIPEGGVD 228
Db 171 TSCLISGWGSTSSPOLRLPHTLRCANITIEHQKC--ENAYPGNITDTMVCASVQEGGKD 228

QY 229 TCQGDGGPLMYQSDQWHVVGVIVSWGYG-CGGPSTPGVYTKVSAYLNWIYNVWKAELSRH 287
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QY 288 HHHHH 292
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RESULT 8
US-09-386-642-13
; Sequence 13, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
; OTHER INFORMATION: with homo sapien serine protease catalytic domain
US-09-386-642-13

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Best Local Similarity 47.9%; Pred. No. 2.6e-61;
Matches 146; Conservative 38; Mismatches 91; Indels 30; Gaps 11;

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QY 60 VDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFR-KHTDVFVNWKVRAGSDKL-----GS 114
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Db 115 EQEIPVQSIP---HPCYNSSDVEDHNDMLLQLRDOASLGSKVKPISLA--DHCTQPG 169
QY 169 TPLWIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQGEVTEKMMCAGIPEGGVD 228
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QY 229 TCQGDGGPLMYQSDQWHVVGVIVSWGYG-CGGPSTPGVYTKVSAYLNWIYNVWKAELSRH 287
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QY 288 HHHHH 292
Db 284 HHHHH 288

RESULT 9
US-09-386-642-53
; Sequence 53, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of
; OTHER INFORMATION: human protease F in CFEX2 zymogen vector
US-09-386-642-53

Query Match          37.6%; Score 601.5; DB 4; Length 306;
Best Local Similarity 42.9%; Pred. No. 1.3e-56;
Matches 126; Conservative 46; Mismatches 85; Indels 37; Gaps 10;

QY 28 VSDYKDDDDVDAAALAAPFDDDDKIVGGYALDVSWPWQVSIQYDKQHVCGGSILDPHWV 87
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QY 88 LTAAHCFRKHTDVFN---WKVRAGSKLGSFPLAVAK-----IIIEFNPMYPKDN- 136
Db 79 LTAAHCFETYSDLSDPGWMVQFG--QLTSMPSFWSLQAYNRYFVSNLYLSPRYLGNSP 136

QY 137 -DIALMKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWFTKQNGKMSDILLQ-AS 194
Db 137 YDIALVKLSAPVYTYTKHIQIPICLOASTFEFENRTDCWVTGWGYKEDEALPSHTLQEVQ 196

QY 195 VQVIDSTRCN---ADDAQGEVTEKMMCAGIPEGGVDTCOGDSGGPL-MYQSDQWHVVGI 250
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QY 251 VSWGYGCGGPSTPGVYTKVSAYLNWIYNV-----WKAELSRHHHHH 292
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RESULT 10
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; Sequence 12, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
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Db 361 VDACCQDSGGPLVQEDSRRLWFIVGIVSWGDCGLPDKPGVYTRVTAYIDWI 412

Search completed: December 2, 2003, 02:31:10
Job time : 22.2875 secs

GenCore version 5.1.6
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Run on: December 2, 2003, 02:42:05 ; Search time 262.68 Seconds
(without alignments)
3662.446 Million cell updates/sec

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Perfect score: 1600
Sequence: 1 MDSKSSQSKRLLLLLVSN.....LNWIYVWKAELSRHHHHH 292

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2190069 seqs, 1647345023 residues

Total number of hits satisfying chosen parameters: 4380138

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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					Sequence 18, Appl

2	1266	79.1	2063	11	US-09-888-257A-2	Sequence 2, Appli
3	1266	79.1	2063	11	US-09-946-374-274	Sequence 274, App
4	1266	79.1	2063	12	US-10-015-387A-274	Sequence 274, App
5	1266	79.1	2063	12	US-10-063-735-111	Sequence 111, App
6	1266	79.1	2063	12	US-10-006-130A-274	Sequence 274, App
7	1266	79.1	2063	12	US-10-199-672-329	Sequence 329, App
8	1266	79.1	2063	12	US-10-006-172A-274	Sequence 274, App
9	1266	79.1	2063	12	US-10-187-749-329	Sequence 329, App
10	1266	79.1	2063	12	US-10-194-457-329	Sequence 329, App
11	1266	79.1	2063	12	US-10-184-642-329	Sequence 329, App
12	1266	79.1	2063	12	US-10-196-747-329	Sequence 329, App
13	1266	79.1	2063	12	US-10-015-392A-274	Sequence 274, App
14	1266	79.1	2063	12	US-10-017-253A-274	Sequence 274, App
15	1266	79.1	2063	12	US-10-173-689-329	Sequence 329, App
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45	1266	79.1	2063	12	US-10-179-512-329	Sequence 329, App

ALIGNMENTS

RESULT 1

US-10-180-719-18
; Sequence 18, Application US/10180719
; Publication No. US20030166246A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Yue, Henry
; Guegler, Karl J.
; Corley, Neil C.
; Tang, Tom Y.
; Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/180,719

FILING DATE: 25-Jun-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/008,271

FILING DATE: 16-Jan-1998

ATTORNEY/AGENT INFORMATION:

NAME: Mohan-Peterson, Sheela

REGISTRATION NUMBER: 41,201

REFERENCE/DOCKET NUMBER: PF-0458 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 2038 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: COLNNOT13

CLONE: 1337018

SEQUENCE DESCRIPTION: SEQ ID NO: 18:

US-10-180-719-18

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Percent Similarity:	98.29%	Conservative:	2
Best Local Similarity:	97.44%	Mismatches:	4
Query Match:	79.12%	Indels:	0
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DB	863	TACGACAAACAGCACAGTCTGTGGAGGAGCATCCTGGACCCCACTGGTCTCTCACGGCA	922
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DB	923	GCCCACTGCTTCAGGAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGTCAGAC	982
QY	111	LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro	130
DB	983	AAACTGGGAGCTTCCCATCCCTGGCTGTGGCCAAGATCATCATCATTTGAATTCACCCC	1042
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DB	1043	ATGTACCCCAAGACATGACATCGCCCTCATGAAGCTGCAGTCCCACCTCACTTCTCA	1102
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DB	1103	GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCACCCCA	1162
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DB	1163	CTCTGGATCATGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGCATACATG	1222
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DB	1223	CTGCAGGCGTCAGTCCAGGTCAATGACAGCACACGGTGCATGACAGCATGGCTACCCAG	1282
QY	211	GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys	230
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Db	1343	CAGGTGACAGTGGTGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGCATC	1402
QY	251	ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer	270
Db	1403	GTTAGCTGGGCTATGGCTGCGGGGCGCCAGCACCCAGGAGTATACACCAAGGTCTCA	1462
QY	271	AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu	284
Db	1463	GCCTATCTCAACTGGATCTACAATGTCTGTGGAAGGCTGAGCTG	1504

RESULT 2

US-09-888-257A-2

; Sequence 2, Application US/09888257A

; Publication No. US20030060612A1

; GENERAL INFORMATION:

; APPLICANT: Goddard,Audrey

; APPLICANT: Godowski,Paul J.

; APPLICANT: Gurney,Austin L.

; APPLICANT: Hillan,Kenneth J.

; APPLICANT: Polakis,Paul

; APPLICANT: Smith,Victoria

; APPLICANT: Wood,William I.

; APPLICANT: Wu,Thomas D.

; APPLICANT: Zhang,Zemin

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND

; TITLE OF INVENTION: TREATMENT OF TUMOR

; FILE REFERENCE: P5002R1

; CURRENT APPLICATION NUMBER: US/09/888,257A

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/063,540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: US 60/089,653

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: US 60/099,792

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: US 60/103,678

; PRIOR FILING DATE: 1998-10-08

; PRIOR APPLICATION NUMBER: US 60/235,451

; PRIOR FILING DATE: 2000-09-26

; PRIOR APPLICATION NUMBER: PCT/US99/12252

; PRIOR FILING DATE: 1999-06-02

; PRIOR APPLICATION NUMBER: PCT/US99/20111

; PRIOR FILING DATE: 1999-09-01

; PRIOR APPLICATION NUMBER: PCT/US00/04342

; PRIOR FILING DATE: 2000-02-18

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: 2000-03-02

; PRIOR APPLICATION NUMBER: PCT/US00/08439

; PRIOR FILING DATE: 2000-03-30

; PRIOR APPLICATION NUMBER: PCT/US00/23328

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: PCT/US00/32678

; PRIOR FILING DATE: 2000-12-01

; PRIOR APPLICATION NUMBER: PCT/US01/06520

; PRIOR FILING DATE: 2001-02-28

; PRIOR APPLICATION NUMBER: PCT/US01/06666

; PRIOR FILING DATE: 2001-03-01

; NUMBER OF SEQ ID NOS: 10

; SEQ ID NO 2

; LENGTH: 2063

; TYPE: DNA

; ORGANISM: Homo Sapien

US-09-888-257A-2

Alignment Scores:

Pred. No.:

Score: 1.67e-152

Percent Similarity: 1266.00

Best Local Similarity: 98.29%

Query Match: 97.44%

DB: 79.12%

Length: 2063

Matches: 228

Conservative: 2

Mismatches: 4

Indels: 0

Gaps: 0

US-09-607-745-9 (1-292) x US-09-888-257A-2 (1-2063)

QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGAGGCCTCTGTGGAATCTTGGCCTTGGCAGTCCAGTCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACGCTGTGGAGGAGCATCTGGACCCCACTGGTGGTCCACGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGTGGCGGAGGCTCAGAC 983
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 984 AAATGGGCAGCTTCCCATCCCTGGCTGTGGCAAGATCATCATCAATGAATCAACCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAATGACATGCCCTCATGAAGTGCAGTTCCTCACTTCTCA 1103
QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTCTCTTGAATGAGGAGCTCACTCCAGCCACCC 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1224 CTGCAGCGTCAGTCCAGTCAATGACAGCACACGTCGAATGCAGACGATGCGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTCAGGCATCCCGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGGCCCTGATGTATCCAATCTGACCAGTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGGCTATGGCTGGGGGGCCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505

RESULT 3

US-09-946-374-274
; Sequence 274, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099763
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099808
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099815
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100388
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100584
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100661
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100662
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100664
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100683
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100684
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100710
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100711
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100848

Db 1224 CTGCAGCGTCAGTCAGGTCATTCAGACAGCACCGGTGCAATGCAGACGATCGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTGACGAGTCCCGGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGCTATGSGTGGGGGCCCGAGCACCCCGAGGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACATATGTCTGGAAGGCTGAGCTG 1505

RESULT 4

US-10-015-387A-274
; Sequence 274, Application US/10015387A
; Publication No. US20030135034A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C54
; CURRENT APPLICATION NUMBER: US/10/015,387A
; CURRENT FILING DATE: 2001-12-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 274
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-387A-274

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-015-387A-274 (1-2063)

QY 51 LysileValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGGTGGGAGGAGGCTCTGTGGATCTTGGCCTTGGCAGGTCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACGCTCTGTGGAGGAGCATCTCTGGACCCCACTGGGTCTCAGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGAC 983

QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 130
Db 984 AAACCTGGCGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTAATCAACCCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTCCCACTCACTTTCTCA 1103
QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGGCTTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 210
Db 1224 CTGCAGGCGTCAGTCCAGGTCAATTGACAGCACACCGGTGCAATGCAGACGATCGGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTGAGGCGATCCCGGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGCTATGGCTGCGGGGGCCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACATATGTCTGGAAGGCTGAGCTG 1505

RESULT 5

US-10-063-735-111
; Sequence 111, Application US/10063735
; Publication No. US20030138882A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,735
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 111
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-735-111

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-063-735-111 (1-2063)

; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-006-172A-274 (1-2063)

QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGCCCTCTGTGATTCTTGGCCTTGGCAGTCAGCATCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACGCTCTGTGAGGGAGCATCTCGACCCCACTGGGTCTCACGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAACAATACCGATGTGTTCAACTGGAAGTGGGGCAGGCTCAGAC 983
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 984 AAACCTGGCAGCTTCCCATCCCTGGCTGTGGCCAGATCATCATCATTAATCAACCCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAAATGACATCGCCCTCATGAAGTGCAGTTCACCACTCACTTCTCA 1103
QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCA 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1224 CTGCAGGCGTCAGTCCAGGTCATTGACAGCACACGGTGCAATGCAGACGATCGGTACCAG 1283
QY 211 GlyLnuValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTGACAGGCATCCGGAAGGGGTGTGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGTTGACAGTGGTGGGCCCTGATGTATACCAATCTGACCACTGGCATGTGTGGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGGCTATGGCTGCGGGGGCCCGAGCACCCCGAGGATATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACAAATGTCTTGGAAAGGCTGAGCTG 1505

RESULT 9

US-10-187-749-329

; Sequence 329, Application US/10187749

; Publication No. US20030153036A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/187,749
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 329
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-187-749-329

Alignment Scores:

Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-187-749-329 (1-2063)

QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGCCCTCTGTGATTCTTGGCCTTGGCAGTCAGCATCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACGCTCTGTGAGGGAGGAGCATCTTGACCCCACTGGGTCTCACGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAACAATACCGATGTGTTCAACTGGAAGTGGGGCAGGCTCAGAC 983
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 984 AAACCTGGCAGCTTCCCATCCCTGGCTGTGGCCAGATCATCATCATTAATCAACCCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAAATGACATCGCCCTCATGAAGTGCAGTTCACCACTCACTTCTCA 1103

QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGCTGCCCTCTTTGATGAGGAGCTCACTCCAGCACCCCA 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1224 CTGCAGGCGTCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAGATGATGTGTCAGGCATCCCGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGGCCCCCTGATGTACCAATCTGACCAAGTGGCATGTGGTGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGCTATGGCTGGGCGGCGCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACAAATGTCTGGAAGGCTGAGCTG 1505

RESULT 10

US-10-194-457-329
; Sequence 329, Application US/10194457
; Publication No. US20030153037A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C296
; CURRENT APPLICATION NUMBER: US/10/194,457
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 329

LENGTH: 2063

; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-194-457-329

Alignment Scores:

Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-194-457-329 (1-2063)

QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTGAGTCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACGCTCTGTGGAGGAGCATCTTGGACCCCATGGTGGTCTCCTCACGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCACTGTCTTCAGGAAACATACCGATGTGTCAACTGGAAGTGGGAGGAGTCCAGAC 983
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 984 AAAGTGGGCGAGCTTCCCATCCCTGGCTGGCTGGCAAGATCATCATCATGAATTCACACCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACATGACATGGCCCTCATGAAGTGCAGTCCCATCTCTCTCA 1103
QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1224 CTGCAGGCGTCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAGATGATGTGTCAGGCATCCCGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGGCCCCCTGATGTACCAATCTGACCAAGTGGCATGTGGTGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGCTATGGCTGGGCGGCGCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACAAATGTCTGGAAGGCTGAGCTG 1505

RESULT 11

US-10-184-642-329
; Sequence 329, Application US/10184642
; Publication No. US20030157635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C194
; CURRENT APPLICATION NUMBER: US/10/184,642
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 329
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-642-329

Alignment Scores:
Pred. No.: 1,67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-184-642-329 (1-2063)

QY 51 LysileValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db ::::|||||
804 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 863

QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db TAGCACAAACAGCAGCGTCTGTGGAGGAGCATCTCTGGACCCCACTGGTCTCTACGGCA 923

QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db ::::|||||
924 GCCCACTGCTTCAGGAACATACCGATGTGTTCAACTGGAAGGTGCGGCGAGGCTCAGAC 983

QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db ::::|||||
984 AAACCTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTAATCAACCCC 1043

QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db ::::|||||
1044 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGAGGAGCTCACTCCACTTCTCA 1103

QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluLeuThrProAlaThrPro 170
Db ::::|||||
1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCA 1163

QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyLysMetSerAspIleLeu 190
Db ::::|||||
1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223

QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db ::::|||||
1224 CTGCAGCGTCAGTCCAGGTCATTGACAGCACCGGTGCAATGCAGAGCATCGTACCAG 1283

QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyValAspThrCys 230
Db ::::|||||
1284 GGGGAAGTCACCGAGAAGATGATGTGTGAGGCATCCCGAAGGGGTGTGGACACCTGC 1343

QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db ::::|||||
1344 CAGGGTGACAGTGGTGGGCCCTGATGTATCCATCTGACCAGTGGCATGTGGTGGGCATC 1403

QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db ::::|||||
1404 GTTAGCTGGGGCTATGGCTGCGGGGGCCCGAGCACCCCAAGAGTATACACCAAGGTCTCA 1463

QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db ::::|||||
1464 GCCTATCTCAACTGGATCTACATGTCTGGAAGGCTGAGCTG 1505

RESULT 12
US-10-196-747-329
; Sequence 329, Application US/10196747
; Publication No. US20030162250A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C346
; CURRENT APPLICATION NUMBER: US/10/196,747
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 329
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-196-747-329

Alignment Scores:
Pred. No.: 1,67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-196-747-329 (1-2063)

QY 51 LysileValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db ::::|||||
804 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 863

QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db TAGCACAAACAGCAGCGTCTGTGGAGGAGCATCTCTGGACCCCACTGGTCTCTACGGCA 923

QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db ::::|||||
924 GCCCACTGCTTCAGGAACATACCGATGTGTTCAACTGGAAGGTGCGGCGAGGCTCAGAC 983

QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db ::::|||||
984 AAACCTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTAATCAACCCC 1043

QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db ::::|||||
1044 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGAGGAGCTCACTCCACTTCTCA 1103

QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluLeuThrProAlaThrPro 170
Db ::::|||||
1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCA 1163

QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyLysMetSerAspIleLeu 190
Db ::::|||||
1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223

QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db ::::|||||

Db 1224 CTGCAGCGCTCAGTCCAGGTCAATTGACAGCACACGGTGCAATGCAGACGATGCGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCAACGAGAAGATGATGTGTGACGACATCCCGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGTGGGCCCTGTATGTACCAATCTGACCACTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGGCTATGGCTGCGGGGGCCGAGCACCCAGAGTATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505

RESULT 13

US-10-015-392A-274
; Sequence 274, Application US/10015392A
; Publication No. US20030166901A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C58
; CURRENT APPLICATION NUMBER: US/10/015,392A
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 274
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-392A-274

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228

Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0
US-09-607-745-9 (1-292) x US-10-015-392A-274 (1-2063)
QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTCCAGTCCAG 863
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGACACGCTCTGTGAGGAGGAGCATCCTGGACCCCGAGTGGTCCAGGCA 923
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAACATACCGATGTGTCAACTGGAAGGTGCGGGCAGGCTCAGAC 983
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 984 AAACCTGGGCGAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTAATTCACCCC 1043
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACATGACATCGCCCTCATGAAGCTGCAGTTCCTCCACTCATCTTCTCA 1103
QY 151 GlyThrValArgProLysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTGTATGAGGAGCTCACTCCAGCCACCCCA 1163
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1223
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1224 CTGCAGGCGTCAGTCCAGGTCAATTGACAGCACACGGTGCATGACAGATGCGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTGACGACATCCCGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGTGGGGCCCTGTATGTACCAATCTGACCACTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGGCTATGGCTGCGGGGGCCGAGCACCCCGAGGATATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505

RESULT 14

US-10-017-253A-274
; Sequence 274, Application US/10017253A
; Publication No. US20030166055A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James

```

; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C62
; CURRENT APPLICATION NUMBER: US/10/017,253A
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 274
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-253A-274

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-017-253A-274 (1-2063)
QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGCCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 863

QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACCGTCTGTGGAGGAGCATCTCGACCCCACTGGGTCTCTCACGGCA 923

QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGAC 983

QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 130
Db 984 AAAGTGGGAGCTTCCCATCCCTCATGAGTGCAGTTCCTTCTGAGGAGTCACTCCAGCCACCCCA 1163

QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAAATGACATCGCCCTCATGAGTGCAGTTCCTTCTGAGGAGTCACTTTCTCA 1103

QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1163

QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATACCTG 1223

QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 210
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Db 1224 CTGCAGGCGTCAGTCCAGGTCAATGACAGCACACGGTGCATGACAGCATCGGTACCAG 1283
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTGCAGGCATCCCGGAAGGGGTGTGGACACCTGC 1343
QY 231 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 250
Db 1344 CAGGGTGACAGTGGTGGCCCTGATGTACCAATCTGACCAAGTGGCATGTGGTGGGCATC 1403
QY 251 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1404 GTTAGCTGGGGCTATGGCTGCGGGGGCCCGAGCACCCCGAGGATATACACCAAGGTCTCA 1463
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1464 GCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505

RESULT 15
US-10-173-689-329
; Sequence 329, Application US/10173689
; Publication No. US20030166104A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C10
; CURRENT APPLICATION NUMBER: US/10/173,689
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 329
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-689-329

Alignment Scores:
Pred. No.: 1.67e-152 Length: 2063
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 12 Gaps: 0

US-09-607-745-9 (1-292) x US-10-173-689-329 (1-2063)
QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 804 CGTGTGGTGGTGGGAGGAGCCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 863

QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 864 TACGACAAACAGCACCGTCTGTGGAGGAGCATCTCGACCCCACTGGGTCTCTCACGGCA 923

QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 924 GCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGAC 983

QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 130
Db 984 AAAGTGGGAGCTTCCCATCCCTCATGAGTGCAGTTCCTTCTGAGGAGTCACTCCAGCCACCCCA 1163

QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1044 ATGTACCCCAAGACAAATGACATCGCCCTCATGAGTGCAGTTCCTTCTGAGGAGTCACTTTCTCA 1103

QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 170
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1163

QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1164 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATACCTG 1223

QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 210
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QY	131	MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer	150
Db	1044	ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCACACTTCTCTCA	1103
QY	151	GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro	170
Db	1104	GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGAGCTCACTCCAGCACCCCA	1163
QY	171	LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu	190
Db	1164	CTCTGGATCATTTGGATGGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG	1223
QY	191	LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln	210
Db	1224	CTGCAGGCTCAGTCCAGGTCAATTGACAGCACACGGTGTCAATGCAGACGATGGGTACCAG	1283
QY	211	GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys	230
Db	1284	GGGGAAGTCACCGAGAGATGATGTGTGCAGGCATCCCGAAGGGGTGTGGACACCTGC	1343
QY	231	GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle	250
Db	1344	CAGGTTGACAGTGGTGGGCCCTTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC	1403
QY	251	ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer	270
Db	1404	GTTAGCTGGGGCTATGGCTGGGGGGGCCCGAGCACCCAGGAGTATACACCAAGGTCTCA	1463
QY	271	AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu	284
Db	1464	GCCTATCTCAACTGGATCTACAAATGTCTGGAAGGCTGAGCTG	1505

Search completed: December 2, 2003, 05:05:22
Job time : 275.18 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: December 2, 2003, 02:30:15 ; Search time 56.2311 Seconds
(without alignments)
2292.040 Million cell updates/sec

Title: US-09-607-745-9
Perfect score: 1600
Sequence: 1 MDSKGSQSKSRLLLLLVVSN.....LNWIYNVWKAELSRHHHHH 292

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1266	79.1	2038	3	US-09-008-271A-18
2	1266	79.1	2079	4	US-09-656-002-1
3	765	47.8	1130	4	US-09-387-375-8
4	754.5	47.2	1130	4	US-09-386-653A-8
5	746	46.6	1169	4	US-09-386-642-7
6	740.5	46.3	1166	4	US-09-386-629-2
7	672.5	42.0	1052	4	US-09-386-642-10
8	645	40.3	1049	4	US-09-386-642-9
9	601.5	37.6	1103	4	US-09-386-642-59
10	593	37.1	1142	4	US-09-386-642-8
11	574	35.9	1037	4	US-09-386-642-60
12	526.5	32.9	1460	4	US-09-370-838-80
					Sequence 18, Appl
					Sequence 1, Appl
					Sequence 8, Appl
					Sequence 8, Appl
					Sequence 7, Appl
					Sequence 2, Appl
					Sequence 10, Appl
					Sequence 9, Appl
					Sequence 59, Appl
					Sequence 8, Appl
					Sequence 60, Appl
					Sequence 80, Appl

13	526.5	32.9	1517	1	US-08-508-448C-15	Sequence 15, Appl
14	526.5	32.9	2790	4	US-09-370-838-79	Sequence 79, Appl
15	524.5	32.8	1462	4	US-09-370-838-55	Sequence 55, Appl
16	522.5	32.7	696	1	US-08-508-448C-24	Sequence 24, Appl
17	510.5	31.9	901	1	US-08-508-448C-9	Sequence 9, Appl
18	508	31.8	2479	3	US-09-342-749-29	Sequence 29, Appl
19	508	31.8	2479	4	US-09-691-840-29	Sequence 29, Appl
20	506	31.6	1479	3	US-09-342-749-1	Sequence 1, Appl
21	506	31.6	1479	4	US-09-691-840-1	Sequence 1, Appl
22	505.5	31.6	1615	4	US-09-820-002-1	Sequence 1, Appl
23	505.5	31.6	1783	3	US-09-510-738A-188	Sequence 188, App
24	505.5	31.6	1783	4	US-09-861-966-188	Sequence 188, App
25	505.5	31.6	2363	4	US-09-742-703-3	Sequence 3, Appl
26	502	31.4	2413	3	US-09-518-046-1	Sequence 1, Appl
27	497	31.1	1077	3	US-08-807-151-2	Sequence 2, Appl
28	497	31.1	1077	4	US-09-478-957-2	Sequence 2, Appl
29	491.5	30.7	1605	2	US-09-000-846-1	Sequence 1, Appl
30	482	30.1	959	4	US-09-023-942A-25	Sequence 25, Appl
31	478.5	29.9	2544	3	US-09-518-046-3	Sequence 3, Appl
32	473	29.6	2416	3	US-09-261-416-1	Sequence 1, Appl
33	456.5	28.5	1100	4	US-09-023-942A-5	Sequence 5, Appl
34	455	28.4	1613	4	US-09-387-375-1	Sequence 1, Appl
35	453.5	28.3	897	2	US-08-956-267A-1	Sequence 1, Appl
36	451.5	28.2	1081	3	US-09-008-271A-15	Sequence 15, Appl
37	450.5	28.2	1094	4	US-09-023-942A-3	Sequence 3, Appl
38	444	27.8	3147	2	US-09-027-337-1	Sequence 1, Appl
39	444	27.8	3147	4	US-09-644-600-1	Sequence 1, Appl
40	444	27.8	3147	4	US-09-644-600-18	Sequence 18, Appl
41	443.5	27.7	825	3	US-09-120-582-1	Sequence 1, Appl
42	442.5	27.7	980	4	US-09-023-942A-30	Sequence 30, Appl
43	442.5	27.7	1110	4	US-09-386-653A-1	Sequence 1, Appl
44	437.5	27.3	1212	4	US-09-620-312D-431	Sequence 431, App
45	431.5	27.0	1225	4	US-09-734-675-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-09-008-271A-18
; Sequence 18, Application US/09008271A
; Patent No. 6203979

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
Hillman, Jennifer L.
;
; Yue, Henry
; Guegler, Karl J.
; Corley, Neil C.
; Tang, Tom Y.
; Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271A
; FILING DATE: 16-Jan-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2038 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLNNOT13
CLONE: 1337018
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-008-271A-18

Alignment Scores:
Pred. No.: 5.58e-130 Length: 2038
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 3 Gaps: 0

US-09-607-745-9 (1-292) x US-09-008-271A-18 (1-2038)

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Db 803 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTCCAG 862
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 863 TACGACAAACAGACACGTCTGTGGAGGAGCATCCTGGACCCCACTGGTCTCCACGGCA 922
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 923 GCCCACTGCTTCAGGAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGTCCAGAC 982
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 983 AAACCTGGCAGCTTCCCATCCCTGGCTGTGGCAAGATCATCATCTTCAATTCACACCCC 1042
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1043 ATGTACCCCAAGACAAATGACATCGCCCTCATGAAGCTGCAGTCCCACTCTCTCA 1102
QY 151 GlyThrValArgProIleCysLeuProPhePheAspGluLeuThrProAlaThrPro 170
Db 1103 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1162
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1163 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATACTG 1222
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1223 CTGCAGGCTCAGTCCAGGTCAATGACAGCACACCGGTGCAATGCAGACGATGGTACCAG 1282
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1283 GGGGAAGTCACCGAGAAGATGATGTGTCAGGCATCCCGAAGGGGTGTGGACACCTGC 1342
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Db 1343 CAGGTTGACAGTGGTGGCCCCCTGTATGTACCAATCTGACAGTGGCATGTGGTGGGCATC 1402
QY 251 ValSerTrpGlyTyrGlyCysGlyProSerThrProGlyValTyrThrLysValSer 270
Db 1403 GTTAGCTGGGCTATGGCTGGGGGGCCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1462
QY 271 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 284
Db 1463 GCCTATCTCAACTGGATCTACAAATGTCTGGAAGGCTGAGCTG 1504

RESULT 2

US-09-656-002-1
; Sequence 1, Application US/09656002
; Patent No. 6455668
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-69108/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/656,002
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US 00/07044
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-656-002-1

Alignment Scores:

Pred. No.: 5.74e-130 Length: 2079
Score: 1266.00 Matches: 228
Percent Similarity: 98.29% Conservative: 2
Best Local Similarity: 97.44% Mismatches: 4
Query Match: 79.12% Indels: 0
DB: 4 Gaps: 0

US-09-607-745-9 (1-292) x US-09-656-002-1 (1-2079)

QY 51 LysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSerIleGln 70
Db 818 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTCCAG 877
QY 71 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 90
Db 878 TACGACAAACAGACACGTCTGTGGAGGAGCATCTGGACCCCACTGGGTCTCACGGCA 937
QY 91 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 110
Db 938 GCCCACTGCTTCAGGAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGTCCAGAC 997
QY 111 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 130
Db 998 AAACCTGGCAGCTTCCCATCCCTGCCTGTGGCTGTGGCAAGATCATCATCTTCAATTCACCCC 1057
QY 131 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 150
Db 1058 ATGTACCCCAAGACAAATGACATCGCCCTCATGAAGCTGCAGTTCCTCACTCTCTCA 1117
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Db 1118 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTGTATGAGGAGTCACTCCAGCCACCCCA 1177
QY 171 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 190
Db 1178 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1237
QY 191 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 210
Db 1238 CTGCAGGCTCAGTCCAGGTCAATGACAGCACACGGTGCATTCAGACGATCGGTACCAG 1297
QY 211 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 230
Db 1298 GGGGAAGTCACCGAGAAGATGATGTGTGAGGATCCCGAAGGGGTGTGGACACCTGC 1357

QY 213 -----ValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThr 229
DB 673 CCGCACTTTGTCCAAGAGGACATGGTGTCTGCTGCTATGTGGAGGGGGCAAGGACGCC 732
QY 230 CysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAsp---GlnTrpHisValVal 248
DB 733 TGGCAGGGTGACTCTGGGGGCCCACTCTCCTGCCCTGTGGAGGGTCTCTGTGTACCTGACG 792
QY 249 GlyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLys 268
DB 793 GGCATTGTGAGCTGGGAGATGCCCTGTGGGGCCCGCAACAGGCCTGTGTGTACACTCTG 852
QY 269 ValSerAlaTyrLeuAsnTrpIleTyr----- 277
DB 853 GCCTCCAGCTATGCCTCCTCGATCCAAAGCAAGGTGACAGAACTCCAGCCTCGTGTGGTG 912
QY 278 -----AsnValTrpLysAlaGluLeu----- 284
DB 913 CCCCAAACCCAGGAGTCCAGCCCGACAGCAACCTCTGTGGCAGCCACCTGGCCTTCAGC 972
QY 285 SerArgHisHisHisHisHis 292
DB 973 TCTAGACATCACCATCACCATCAC 996

RESULT 6

US-09-386-629-2
; Sequence 2, Application US/09386629
; Patent No. 6426199
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew L.
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Identification and Characterization of the complementary
; FILE REFERENCE: DNA encoding the novel human serine protease C-E
; CURRENT APPLICATION NUMBER: US/09/386,629
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1166
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: C-E catalytic
; OTHER INFORMATION: domain in a zymogen activated construct
US-09-386-629-2

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Score: 740.50 Matches: 164
Percent Similarity: 61.70% Conservative: 39
Best Local Similarity: 49.85% Mismatches: 87
Query Match: 46.28% Indels: 39
DB: 4 Gaps: 10

US-09-607-745-9 (1-292) x US-09-386-629-2 (1-1166)

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QY 21 LeuLeuLeuCysGlnGlyValValSerAspTyrLysAspAspAspValAlaAla 40
DB 73 CTACTCTGTGCCAGGGTGTGTCTCCGACTACAAGGACGACGACGCTGGACGGGCC 132
QY 41 AlaLeuAlaAlaProPheAspAspAspLysIleValGlyGlyTyrAlaLeuAspVal 60
DB 133 GCTCTTGCTGCCCCCTTTGATGATGATGACAAAGATCGTTGGGGCTATGCTCTAGAGGAC 192
QY 61 AspSerTrpProTrpGlnValSerIleGlnTyrAspLysGlnHisValCysGlyGlySer 80

DB 193 AGCGAGTGGCCCTCGTATCGTATCGATCCAGAAATGGGACCCACCACTGGCAGGTTCT 252
QY 81 IleLeuAspProHisTrpValLeuThrAlaAlaHisCysPheArgLysHisThrAsp--- 99
DB 253 CTGCTCACCAGCCGCTGGTGTATCACTGCTGCCACTGTTTCAAGACAACTGAACAAA 312
QY 100 ValPheAsnTrpLysValArgAlaGlySerAspLysLeuGlySerPheProSerLeuAla 119
DB 313 CCATACCTGTTCTGTGTGTGTGGGGCTGGCAGTGGGAAC---CCTGGCTCTCGG 369
QY 120 ValAlaLysIleIleIleIle-----IleGluPheAsnProMetTyrPro---LysAspAsn 136
DB 370 TCCAGAAAGTGGGTGTGTGTGGGTGGAGCCCACTGTGTATTCCTGGAAGGAAGGT 429
QY 137 -----AspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSerGlyThrVal 153
DB 430 GCCTGTGCAGACATTCCTGTGTGTGGTGTGGAGCGCTCCATACAGTTCTCAGAGCGGGTC 489
QY 154 ArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrProLeuTrpIle 173
DB 490 CTGCCCATCTGCCTACCTGATGCCTCTATCCACCTCCCTCCAAACACCCACTGCTGGATC 549
QY 174 IleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMet-----SerAspIleLeuLeu 191
DB 550 TCAGGCTGGGG---AGCATCCAAGATGGAGTTCCCTTGCCCCACCCCTCAGACCTGCAG 606
QY 192 GlnAlaSerValGlnValIleAspSerThrArgCysAsnAla-----AspAspAla 208
DB 607 AAGCTGAAGTTCTATCATCGACTCGGAAGTCTGCAGCCATCTGCTACTGGGGGAGCA 666
QY 209 TyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAsp 228
DB 667 GGACAGGGACCCCATCACTGAGGACATGTGTGTGCGGCTACTTGGAGGGGAGCGGGAT 726
QY 229 ThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAsp---GlnTrpHisVal 247
DB 727 GCTTGTGTGGGCACTCCGGGGGCCCCCTCATGTGCCAGGTGGACGGCGCTGGCTGCTG 786
QY 248 ValGlyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThr 267
DB 787 GCCGGCATCATCAGCTGGGGCGAGGGCTGTGCCGAGCGCAACAGGCCGGGGTCTATCATC 846
QY 268 LysValSerAlaTyrLeuAsnTrpIleTyrAsnValTrpLys----- 281
DB 847 AGCTCTCTGCGCACCGCTCCTGGTGGAGAAAGATCGTCAAGGGGTGACGCTCCGCGGG 906
QY 282 -----AlaGlu 283
DB 907 CGCGCTCAGGGGGTGGGGCCCTCAGGGCACCGAGCCAGGGCTCTGGGGCCCGCGCGC 966
QY 284 LeuSerArgHisHisHisHisHis 292
DB 967 TCCTCTAGACATCACCATCACCATCAC 993

RESULT 7

US-09-386-642-10
; Sequence 10, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1052
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:


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Db 532 GGCTGGGTCTGCTGGCG-----AACGGCAGATGCTACCGTGTCTGCAGTGGTGAAC 585
QY 195 ValGlnValIleAspSerThrArgCysAsnAla-----AspAspAlaTyrGlnGlyGlu 212
Db 586 GTGTGGTGGTCTCTGAGGAGGTCTGCAGTAAGCTCTATGACCCGCTGTACCAC----- 639
QY 213 ValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCysGlnGly 232
Db 640 -----CCCAGCATGTTCTGGCGCGGGAGGGCAGCAGACGAGGACTCTCTGCAACGGT 693
QY 233 AspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIleValSer 252
Db 694 GACTCTGGGGGGCCCTGATCTGCAACGGG-----TACTTGACGGCCTTGTGTCT 744
QY 253 TrpGlyTyrGly---CysGlyGlyProSerThrProGlyValTyrThrLysValSerAla 271
Db 745 TTCGAAAAGCCCGTGTGGCCAAAGTTGGCTGCGAGGTGTCTACACCAACCTCTGCAA 804
QY 272 TyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeuSerArgHisHisHisHis 291
Db 805 TTCACGTAGTGGATAGAGAAAACCGTCCAGGCCAGT--TCTAGACATCACCATCACC 861
QY 292 His 292
Db 862 CAC 864

RESULT 12
US-09-370-838-80
; Sequence 80, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; EARLIER FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 80
; LENGTH: 1460
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-370-838-80

Alignment Scores:
Pred. No.: 1.31e-48 Length: 1460
Score: 526.50 Matches: 97
Percent Similarity: 62.93% Conservative: 49
Best Local Similarity: 41.81% Mismatches: 79
Query Match: 32.91% Indels: 7
DB: 4 Gaps: 4

US-09-607-745-9 (1-292) x US-09-370-838-80 (1-1460)

QY 49 AspAspLysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSer 68
Db 601 GAGCAGAGATCCTTGGAGGCACTGAGGCTGAGGAGGGAAGCTGGCCGTGGCAAGTCAGT 660
QY 69 IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu 88
Db 661 CTGGCGCTCAATAATGCCCAACCACTGTGGAGGCAAGCTGATCAATAACATGTGGATCCTG 720
QY 89 ThrAlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGly 108
Db 721 ACAGCAGCTCACTGCTTCAGAGCAACTCTAATCCTCGTGAATGGATGGCCAGCTGTGT 780
QY 109 SerAspLysLeuGlySerPheProSerLeu-----AlaValAlaLysIleIleIle 126
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Db 781 ATTTCACA-----ACATTTCTAACTAAGAATGAGAGTAAGAAATATTTTAATTCAT 834
QY 127 GluPheAsnProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPhePro 146
Db 835 AACAAATTATAAATCTGCAACTCATGAAAATGACATTGCACCTTGTGAGACTTGAGAACAGT 894
QY 147 LeuThrPheSerGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThr 166
Db 895 GTCACCTTTACCAAAGATATCCATAGTGTGTCTCCAGCTGTCTACCAGATATTTCCA 954
QY 167 ProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMet 186
Db 955 CTTGGCTCTACTCTTATGTAACAGGATGGGGCGCTCAAGAATATATGCTGGCCACACAGTT 1014
QY 187 SerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAsp 206
Db 1015 CCAGAG---CTAAGGCAAGGACAGGTCAGAAATAATAAGTAATGATGTAATGCACCA 1071
QY 207 AspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGly 226
Db 1072 CATAGTTATAATGAGGCCATCTTGTCTGGAATGCTGTGTGCTGAGTACCTCAAGGTGGA 1131
QY 227 ValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGln----- 244
Db 1132 GTGGACGCATGTCAAGGTGACTCTGTGTGGCCCACTAGTACAAGAAGACTCACGGCGGCTT 1191
QY 245 TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGly 264
Db 1192 TGCTTTATTGTGGGATAGTAAGCTGGGAGATCAGTGTGGCCTGCCGATAAGCCAGGA 1251
QY 265 ValTyrThrLysValSerAlaTyrLeuAsnTrpIle 276
Db 1252 GTGTATACTCGAGTGACAGCCTACCTTGACTGGATT 1287

RESULT 13
US-08-508-448C-15
; Sequence 15, Application US/08508448C
; Patent No. 5804410
; GENERAL INFORMATION:
; APPLICANT: Kazuyoshi YAMAOKA et al.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCE ENCODING
; TITLE OF INVENTION: TRYPSIN-LIKE ENZYME AND PROCESS FOR PRODUCING THE ENZYME
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,448C
; FILING DATE: July 28, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 1517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; TISSUE TYPE: trachea
US-08-508-448C-15

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Alignment Scores:		
Pred. No.:	1.38e-48	1517
Score:	526.50	97
Percent Similarity:	62.93%	Conservative: 49
Best Local Similarity:	41.81%	Mismatches: 79
Query Match:	32.91%	Indels: 7
DB:	1	Gaps: 4

US-09-607-745-9 (1-292) x US-08-508-448C-15 (1-1517)

QY	49	AspAspLysIleValGlyGlyTyrAlaLeuAspValAspSerTrpProTrpGlnValSer	68
DB	611	GAGCAGAGAATCCTTGGAGGCACTGAGGCTGAGGAGGGAAGCTGGCCGTGGCAAGTCAGT	670
QY	69	IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu	88
DB	671	CTGCGGCTCAATAATGCCACCACCTGTGGAGGCAGCTGATCAATAACATGTGGATCCTG	730
QY	89	ThrAlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGly	108
DB	731	ACAGCAGCTCACTGCTTCAGAAAGCAACTCTAATCCTCGTACTGGATTGCCACGTCTGGT	790
QY	109	SerAspLysLeuGlySerPheProSerLeu-----AlaValAlaLysIleIleIleIle	126
DB	791	ATTTCACACA-----ACATTTCCTAAACATAAGAAATGAGAGTAAGAAATATTTTAATTCAT	844
QY	127	GlupheAsnProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPhePro	146
DB	845	AACAATTATAAATCTGCAACTCATGAAATGACATTGCACTTGTGAGACTTGGAGAACAGT	904
QY	147	LeuThrPheSerGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThr	166
DB	905	GTCACCTTTACCAAGATATCCATAGTGTGTCTCCAGCTGCTACCCAGAAATATCCA	964
QY	167	ProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMet	186
DB	965	CCTGGCTCTACTGCTTATGTAAACAGGATGGGGCGCTCAAGAATATGCTGGCCACACAGTT	1024
QY	187	SerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAsp	206
DB	1025	CCAGAG---CTAAGGCAAGGACAGGTCAGAATAATAAGTAATGATGTATGTAATGCACCA	1081
QY	207	AspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGly	226
DB	1082	CATAGTTATAATGGAGCCATCTTGTCTGGAATGCTGTGTGGAGTACCTCAAGGTGGA	1141
QY	227	ValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGln-----	244
DB	1142	GTGGACGCATGTGAGGTGACTCTGCTGGCCCCACTAGTACAAGAAGACTCACGGCGGCTT	1201
QY	245	TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGly	264
DB	1202	TGGTTTATTGTGGGGATAGTAAGCTGGGAGATCAGTGTGGCCTGCCGGATAAGCCAGGA	1261
QY	265	ValTyrThrLysValSerAlaTyrLeuAsnTrpIle	276
DB	1262	GTGTATACTCGAGTGACAGCCCTACCTTGACTGGATT	1297

RESULT 14

US-09-370-838-79

02 03 270 028 72 ; Sequence 79, Application US/09370838

; Patent No. 6444425

; GENERAL INFORMATION:

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; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 79
; LENGTH: 2790
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-370-838-79

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Alignment Scores:

pred. No.:	3.27e-48	Length:	2790
Score:	526.50	Matches:	97
Percent Similarity:	62.93%	Conservative:	49
Best Local Similarity:	41.81%	Mismatches:	79
Query Match:	32.91%	Indels:	7
DB:	4	Gaps:	4

US-09-607-745-9 (1-292) x US-09-370-838-79 (1-2790)

QY	49	AspAspLysIleValGlyGlyTyrAlaLeuAspValAspSerTrpTrpGlnValSer	68
DB	597	GAGCAGAGAAATCCTTGGAGGCACCTGAGGCTGAGGAGGGAAGCTGGCCGTGGCAAGTCAGT	656
QY	69	IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu	88
DB	657	CTGCGGCTCAATAATGCCCAACCACTGTGGAGGCAGCCTGATCAATAACATGTGGATCCTG	716
QY	89	ThrAlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGly	108
DB	717	ACAGCAGCTCACTGCTTCAGAAAGCAACTCTAATCCTCGTGACTGGATTGCCACGTCTGGT	776
QY	109	SerAspLysLeuGlySerPheProSerLeu-----AlaValAlaLysIleIleIleIle	126
DB	777	ATTTCACACA-----ACATTTCCTAAACTAAGAATGAGAGTAAGAAATATTTTAATTCAT	830
QY	127	GluPheAsnProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPhePro	146
DB	831	AACAATTAATAATCTGCAACTCATGAAATGACATTGCACCTTGTGAGACTTGGAGAACAGT	890
QY	147	LeuThrPheSerGlyThrValArgProIleCysLeuPhePheAspGluGluLeuThr	166
DB	891	GTCACCTTTACCAAGATATCCATAGTGTGTCTCCAGCTGCTACCCAGAAATATTCAC	950
QY	167	ProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMet	186
DB	951	CCTGGCTCTACTCTTATGTAAACAGGATGGGGCGCTCAAGAATATGCTGGCCACACAGTT	1010
QY	187	SerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAsp	206
DB	1011	CCAGAG---CTAAGGCAAGGACAGGTCAGAATAATAAGTAATGATGTATGTAATGCACCA	1067
QY	207	AspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGly	226
DB	1068	CATAGTTATAATGAGGCCATCTTGTCTGGAATCTGTGTGCTGGAGTACCTCAAGGTGGA	1127
QY	227	ValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGln-----	244
DB	1128	GTGGACGCATGTACAGGTGACTCTGTGGTGGCCCACTAGTACAAGAAGACTCACGGCGGCTT	1187
QY	245	TrpHisValValClyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGly	264
DB	1188	TGGTTTATTGGGGATAGTAAGCTGGGGAGATCAGTGTGGCCTGCCGGATAAGCCAGGA	1247

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Qy      265  valTyrThrLysValSerAlaTyrLeuAsnTrpIle 276
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; Sequence 55, Application US/09370838
; Patent No. 644425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 55
; LENGTH: 1462
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-370-838-55

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GenCore version 5.1.6
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3662.446 Million cell updates/sec

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
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Total number of hits satisfying chosen parameters: 4380138

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
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Database : Published Applications NA:

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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- 16: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2338	99.8	2038	12	US-10-180-719-18

Sequence 18, Appl

2	2337	99.8	2081	9	US-09-851-588-7	Sequence 7, Appli
3	2337	99.8	2307	14	US-10-097-340-317	Sequence 317, App
4	2337	99.8	2307	14	US-10-171-311-217	Sequence 217, App
5	2329	99.4	2165	12	US-10-101-510-634	Sequence 634, App
6	2324	99.2	2079	9	US-09-851-588-5	Sequence 5, Appli
7	2324	99.2	2079	11	US-09-776-191-71	Sequence 71, Appl
8	2324	99.2	2079	14	US-10-264-820-22	Sequence 22, Appl
9	2324	99.2	2079	14	US-10-254-289-1	Sequence 1, Appli
10	2319	99.0	2137	11	US-09-776-191-3	Sequence 3, Appli
11	2297.5	98.1	2063	11	US-09-888-257A-2	Sequence 2, Appli
12	2297.5	98.1	2063	11	US-09-946-374-274	Sequence 274, App
13	2297.5	98.1	2063	12	US-10-015-387A-274	Sequence 274, App
14	2297.5	98.1	2063	12	US-10-063-735-111	Sequence 111, App
15	2297.5	98.1	2063	12	US-10-006-130A-274	Sequence 274, App
16	2297.5	98.1	2063	12	US-10-199-672-329	Sequence 329, App
17	2297.5	98.1	2063	12	US-10-006-172A-274	Sequence 274, App
18	2297.5	98.1	2063	12	US-10-187-749-329	Sequence 329, App
19	2297.5	98.1	2063	12	US-10-194-457-329	Sequence 329, App
20	2297.5	98.1	2063	12	US-10-184-642-329	Sequence 329, App
21	2297.5	98.1	2063	12	US-10-196-747-329	Sequence 329, App
22	2297.5	98.1	2063	12	US-10-015-392A-274	Sequence 274, App
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29	2297.5	98.1	2063	12	US-10-173-698-329	Sequence 329, App
30	2297.5	98.1	2063	12	US-10-173-699-329	Sequence 329, App
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33	2297.5	98.1	2063	12	US-10-174-589-329	Sequence 329, App
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40	2297.5	98.1	2063	12	US-10-175-748-329	Sequence 329, App
41	2297.5	98.1	2063	12	US-10-175-751-329	Sequence 329, App
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44	2297.5	98.1	2063	12	US-10-176-489-329	Sequence 329, App
45	2297.5	98.1	2063	12	US-10-176-489-329	Sequence 329, App

ALIGNMENTS

RESULT 1

US-10-180-719-18
; Sequence 18, Application US/10180719
; Publication No. US20030166246A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Yue, Henry
; Guegler, Karl J.
; Corley, Neil C.
; Tang, Tom Y.
; Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS


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; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/180,719
; FILING DATE: 25-Jun-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271
; FILING DATE: 16-Jan-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2038 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT13
; CLONE: 1337018
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
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Query Match: 99.83% Indels: 0
DB: 12 Gaps: 0

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Qy 41 LeuAlaSerIleIleIleValValLeuIleLysValIleLeuAspLysTyrTyrPhe 60
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Db 560 TGGTCTCTGCCTGTTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCCTGTAGGCAG 619
Qy 141 MetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeu 160
Db 620 ATGGGTACAGCAGCAACCCACTTTCAGAGCTGTGGAGATGGCCAGACAGGATCTG 679
Qy 161 AspValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyPro 180
Db 680 GATGTTGTGAATCACAGAAACAGCCAGGAGCTTCGATGCGGAACCTCAAGTGGGCC 739
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Db 800 CCCCCTGTGGTGGGTGGGAGGAGGCTCTGTGGATTCTTGGCCCTGGCAGGTCAAGCATC 859
Qy 221 GlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThr 240
Db 860 CAGTACGACAAACAGCACGTCTGTGGAGGAGCATCTGGACCCCACTGGGTCTCTCAGC 919
Qy 241 AlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySer 260
Db 920 GCAGCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGGGCGAGGCTCA 979
Qy 261 AspLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsn 280
Db 980 GACAAACTGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATGAATTCAAC 1039
Qy 281 ProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPhe 300
Db 1040 CCCATGTACCCCAAGACATGACATCGCCCTCATGAAGCTGCAGTCCCACCTCACTTTC 1099
Qy 301 SerGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThr 320
Db 1100 TCAGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACC 1159
Qy 321 ProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIle 340
Db 1160 CCACTCTGGATCATTTGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATA 1219
Qy 341 LeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyr 360
Db 1220 CTGCTGCAGGCTCAGTCCAGGTCAATGACAGCACACGGTGCAATGACAGCATGCGTAC 1279
Qy 361 GlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThr 380
Db 1280 CAGGGGAAGTCAACGAGAAGATGATGTGTGAGGCATCCCGGAAGGGGTGTGGACACC 1339
Qy 381 CysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGly 400
Db 1340 TGCCAGGTGACAGTGGTGGGCCCTGTATGATCAATCTGACCACTGGCATGTGGTGGGC 1399
Qy 401 IleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysVal 420
Db 1400 ATCGTTAGTGGGCTATGGCTGGGGGGCCGAGCACCCAGGAGTATACACCAAGGTC 1459
Qy 421 SerAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1460 TCAGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1504

RESULT 2
US-09-851-588-7
; Sequence 7, Application US/09851588
; Patent No. US20020042067A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt C.
; APPLICANT: Wilson, Keith E.
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-68829-1/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/851,588
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/642,252
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/656,002
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 2081
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (215)..(1528)
; OTHER INFORMATION:
US-09-851-588-7

Alignment Scores:
Pred. No.: 9.38e-283 Length: 2081
Score: 2337.00 Matches: 434
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.79% Indels: 0
DB: 9 Gaps: 0

US-09-607-745-2 (1-435) x US-09-851-588-7 (1-2081)

QY 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 224 GATCCTGACAGTATCAACCTCTGAACACAGCCTCGATGTCAAACCCCTGGCAACCCCGT 283

QY 22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeu 41
Db 284 ATCCCCATGGAGACCTTCAGAAAGGTGGGATCCCCATCATATAGCACTACTAGCGCTG 343

QY 42 AlaSerIleIleValValValLeuLeuLysValIleLeuAspLysTyrTyrPheLeu 61
Db 344 GCGAGTATCATATTGTGGTTGTCTCATCAAGGTGATTCTGGATAAATACTACTTTCCTC 403

QY 62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81
Db 404 TGCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTGT 463

QY 82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101
Db 464 CCCTTGGGGGAGGACGAGGACACTGTGTCAAGAGCTTCCCGAAGGCCCTGCAGTGGCA 523

QY 102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121
Db 524 GTCCGCCTCTCCAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAACCTGG 583

QY 122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141
Db 584 TTCTCTGCCTGTTTCGACAACTTCACAGAAAGCTCTCGCTGAGACAGCCTGTAGGCAGATG 643

QY 142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161
Db 644 GGCTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGATTGGCCCAAGCAGGATCTGGAT 703

QY 162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181
Db 704 GTTGTGTAATCAGAAAAACAGCCAGGAGCTTCGCATCGGAACCTCAAGTGGGCCCTGT 763

QY 182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201
Db 764 CTCTCAGGCTCCCTGTCTCCCTGCACCTGTCTGCCTGTGGGAAGAGCCTGAAGACCCCC 823

QY 202 ArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db 824 CGTGTGGTGGTGGGAGGAGGCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 883

QY 222 TyrAspLysGlnHisValCysGlyGlySerLeuAspProHisTrpValLeuThrAla 241
Db 884 TACGACAAACAGCACGCTGTGTGGAGGGAGCATCTCTGGACCCCCACCTGGGTCTCACGGCA 943

QY 242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261
Db 944 GCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGCGAGGCTCAGAC 1003

QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db 1004 AAACGGGCAGCTTCCCATCCCTGGCTGTGGCCCAAGATCATCATATGAATTCACACCC 1063
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QY 282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301
Db 1064 ATGTACCCCAAGACAATGACATGCCCTCATGAAGTGCAGTCCCACACTTCTCA 1123

QY 302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321
Db 1124 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGTAGAGGAGCTCACTCCAGCCACCCCA 1183

QY 322 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341
Db 1184 CTCGTGGATCATGGATGGGGCTTTACGAAGCAGAAATGGAGGGAAGATGTCTGACATACTG 1243

QY 342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 361
Db 1244 CTGCAGCGCTCAGTCCAGGTCATTGACAGCACACCGTGCATATGCAGACGATGCGTACCAG 1303

QY 362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 381
Db 1304 GGGGAAGTCACCGAGAAGATGATGTGTGAGGCATCCCGAAGGGGTGTGGACACCTGC 1363

QY 382 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db 1364 CAGGTTGACAGTGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC 1423

QY 402 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 421
Db 1424 GTTAGCTGGGCTATGGCTCGGGGGCCCCGAGCACCCCGAGGAGTATACACCAAGTCTCA 1483

QY 422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1484 GCCTATCTCAACTGGATCTACATGTCTGGAAGGCTGAGCTG 1525

RESULT 3
US-10-097-340-317
; Sequence 317, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAMU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
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; SOFTWARE: FastSEQ for Windows Version 4.0
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: SEO ID NO 317

; LENGTH: 2307

TYPE: DNA

; ORGANISM: Homo sapiens

FEATURE:

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: NAME/KEY: misc feature

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/ NAME) INT: "TSC-1000"
; LOCATION: (1) :: (2307)

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OTHER INFORMATION: 1 = A.T.C or G

US-10-097-340-317

Alignment Scores:

Pred. No.:	1.1e-282	Length:	2307
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Score:	2337.00	Matches:	434
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Percent similarity: 100.00%
Conservative: 0

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: Correct Similarity: 100.00%
Best Local Similarity: 100.00%
Correct matches: 0
Mismatch: 0

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Query Match: 99 79%
Index Match: 99 79%
Index Match: 99 79%

Query Match:	99.73%	0.0
DB:	14	0
		Games:
		Users:

US-09-607-745-2 (1-435) x US-10-097-340-317 (1-2307)

Qv 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValIysProLeuArgIysProArg 21

Db 284 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGCGCAACCCCGT 343

Qy 22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeu 41

344 ATCCCATGGAGACCTTCAGAAAGGTGGGGATCCCCATCATATAGCACTACTGAGCCTG 403

Ov 42 AlaSerIleIleIleValValLeuIleLysValIleLeuAspLysTyrTyrPheLeu 61

404 GCGAGTATCATCTGTGGTTGTCCCTCATCAAGGTGATCTGGATAAATACTACCTTCCTC 463

62 CysGlyGlnProLeuHisPheIleProArgIysGlnLeuCysAspGlvGluLeuAsnQvs 87

D_b 464 TGGGGGACGCCCTTCCACTTCATCCCGAGGAAGCAGCTGTGTCA CCGAGAGCTGGACTGT 523

82 ProteinGlvGluAsnGluGluHisCysValIvsSerpheProGluGlvProAlaValAla101

524 CCTTGGGGAGGA CGAGGAGCA CTGTCTCA AGAGGCTT CCGGAG GGGGCTG CAGTGGCA 583

Qv : 102 Va]Arg]euSer]vsAspAraSerTh]euG]nVa]I.euAspSerA]aThrG]vAsnTrn 121

db 584 GTCCGCCCTCTCCACAGGACCGGATCCACACATGGACGCTCGTGGCATTCGGCCACACGGGACACTGC 643

122 PheSerAlaCysPheAspAsnPhetThrGluAlaIleuAlaGluThrAlaCysArgGlnMet 141

644 TTCTCTGCGCTGTTTCGACAACTTTCACAGAGCTCTGCTGAGACAGCGCTGTACGACATC 703

142 G[VtYrSerSerIysProThrPheArgA]aValG[LI]eG[VProAspG]nAspLeuAsn 161

704 GGCTACAGCAGCAACCCACTTTTCAGAGCTGTGGAGATTGGCCCGACACGATCTGCAT 763

162 ValValGluIleThrGluAsnSerGlnGlnIleLeuArgMetArgAsnSerSerGlyProGly181

764 GTTCTTGAATTCACAGAAACACCCACACGTTCCATCCGCAATCAACCTCCCT 833

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Figure 1

Figure 1 displays two side-by-side plots showing the distribution of the number of clusters identified by the algorithm across different values of the parameter α . The x-axis represents the number of clusters (ranging from 0 to 10), and the y-axis represents the frequency or probability mass function (ranging from 0 to 1). The left plot shows the distribution for $\alpha = 0.1$, where the peak is at 1 cluster. The right plot shows the distribution for $\alpha = 0.5$, where the peak is at 2 clusters.

US-10-171-311-217

Alignment Scores:

Pred. No.: 1,1e-282 Length: 2307
Score: 2337.00 Matches: 434
Percent Similarity: 100.00% Conservaive: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.79% Indels: 0
DB: 14 Gaps: 0

US-09-607-745-2 (1-435) x US-10-171-311-217 (1-2307)

QY 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 284 GATCCTGACAGTCAACCTCTGAACAGCCTCGATGTCAAACCCCTGCGCAACCCCGT 343
QY 22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeu 41
Db 344 ATCCCATGGAGACCTTCAGAAAGGTGGGATCCCCATCATATAGCACTACTGAGCCTG 403
QY 42 AlaSerIleIleValValValLeuIleLysValIleLeuAspLysTyrTyrPheLeu 61
Db 404 GCGAGTATCATATTGTTGTCTCATCAAGTGATTCTGGATAAATACTACTTCTC 463
QY 62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81
Db 464 TCGGGGCGACCTCTCCACTTTCATCCCGAGGAGCAGCTGTGTGACGGAGAGCTGGACTGT 523
QY 82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101
Db 524 CCCTTGGGGGAGGAGGAGGAGCACTGTGTCAAGAGCTTCCCGAAGGGCCTGCAGTGGCA 583
QY 102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121
Db 584 GTCCGCCTCTCCAAGACCCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAACCTGG 643
QY 122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141
Db 644 TTCTCTGCCTGTTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCCTGTAGGCAGATG 703
QY 142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161
Db 704 GGCTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGATTGGCCCGACAGCAGGATCTGGAT 763
QY 162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181
Db 764 GTTGTGAAATCACAGAAACACAGCCAGGAGCTTCGCATCGGGAACCTCAAGTGGGCCCTGT 823
QY 182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201
Db 824 CTCTCAGGCTCCCTGCTCCCTGCACTGTCTTGCCTGTGGGAAGAGCCTGAAGACCCCC 883
QY 202 ArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db 884 CGTGTGGTGGGTGGGAGGAGGCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 943
QY 222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db 944 TACGACAAACAGCACGCTCTGTGGAGGAGCATCTTGACCCCCACTGGGTCTCTCACGGCA 1003
QY 242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261
Db 1004 GCCCCTGCTTCAGGAACACATACCGATGTGTCACTGGAAGGTGGGGCAGGCTCAGAC 1063
QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 281
Db 1064 AAACCTGGCAGCTTCCATCCCTGGCTGTGGCCAAAGATCATCATTTGAATTCAACCCC 1123
QY 282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301
Db 1124 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCCCACTCACTTTCTCA 1183
QY 302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321

Db 1184 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCA 1243
QY 322 LeuTriPleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341
Db 1244 CTCTGGATCATTTGGATGGGGCTTTACGAAGCAGAAATGAGGGAAGATGTCTGACATACTG 1303
QY 342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 361
Db 1304 CTGCAGGCGTCAGTCCAGGTTCATTGACAGCACACCGGTGCAATGCAGACGATCGTACCAG 1363
QY 362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 381
Db 1364 GGGGAAGTCACCGAAGATGATGTGTGCAGGCATCCCGAAGGGGTGTGGACACCTGC 1423
QY 382 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db 1424 CAGGTGACAGTGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC 1483
QY 402 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 421
Db 1484 GTTAGCTGGGGCTATGGTGGGGGGCCCCGAGCACCCGAGGAGTATACCAAGGTCTCA 1543
QY 422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1544 GCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1585
RESULT 5
US-10-101-510-634
; Sequence 634, Application US/10101510
; Publication No. US20030148295A1
; GENERAL INFORMATION:
; APPLICANT: WAN, JACKSON
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE
; FILE REFERENCE: 15117.0012
; CURRENT APPLICATION NUMBER: US/10/101,510
; CURRENT FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/276,947
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 805
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 634
; LENGTH: 2165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-101-510-634
Alignment Scores:
Pred. No.: 1,01e-281 Length: 2165
Score: 2329.00 Matches: 435
Percent Similarity: 99.77% Conservaive: 0
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.44% Indels: 1
DB: 12 Gaps: 0
US-09-607-745-2 (1-435) x US-10-101-510-634 (1-2165)
QY 1 MetAspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysPro 20
Db 310 ATGGATCTCTGACAGTGAATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGGCGCAACCC 369
QY 21 ArgIleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSer 40
Db 370 CGTATCCCATGGAGACCTTCAGAAAGGTGGGGATCCCATCATCATAGCACTACTGAGC 429
QY 41 LeuAlaSerIleIleIleValValValLeuIleLysValIleLeuAspLysTyrTyrPhe 60
Db 430 CTGGCGAGTATCATATTGTGGTGTCTCTCATCAAGGTGATTTCTGGATAAATACTACTTTC 489
QY 61 LeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAsp 80
Db 490 CTCTGGGGCAGCCCTCTCCACITTCATCCCGAGGAGCAGCTGTGTGACGGAGAGCTGGAC 549

Qy 81 CysProLeuGlyGluAspGluGluHisCysVallysSerPheProGluGlyProAlaVal 100
Dbb 550 TGTCCTTGGGGAGGACGAGGACACTGTGTCAAGAGCTTCCCCGAAGGCGCTGCAGTG 609
Qy 101 AlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsn 120
Dbb 610 GCAGTCGCCTCTCCAAGGACCGATCCACACTGCAGTGTGGACTCGGCCACAGGGAAC 669
Qy 121 TrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGln 140
Dbb 670 TGGTTCTCTGCCTGTTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCTGTAGGCAG 729
Qy 141 MetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeu 160
Dbb 730 ATGGGTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGATTGGCCAGACAGGATCTG 789
Qy 161 AspValValGluIleThrGluAsnSerGlnGlu-LeuArgMetArgAsnSerSerGlyPr 180
Dbb 790 GATGTTGTTGAATCACAGAAACAGCCAGGAGCTTCGCATGCGGAACCTCAAGTGGCC 849
Qy 180 oCysLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysTh 200
Dbb 850 CTGTCTCTCAGGCTCCCTGGTCTCCCTGCACCTGTCTGCCTGTGGGAAGAGCCTGAAGAC 909
Qy 200 rProArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIl 220
Dbb 910 CCCCCTGTGGTGGTGGGAGGAGGCCCTCTGTGGATTCTTGGCCTTGGCAGGTCAAGCAT 969
Qy 220 eGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuTh 240
Dbb 970 CCAGTACGACAAACAGCACGCTGTGTGGAGGAGCATCTTGACCCCACTGGTCTCTCAC 1029
Qy 240 rAlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySe 260
Dbb 1030 GGCAGCCCACTGCTTCAGAAACATACCGATGTGTCAACTGGAAGTGGCGGAGGCTC 1089
Qy 260 rAspLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAs 280
Dbb 1090 AGACAAACTGGGCAGCTTCCCATCCCTGGCTGTGGCAAGATCATCATCATGAATCAA 1149
Qy 280 nProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPh 300
Dbb 1150 CCCCATGTACCCCAAGACATATGACATCGCCCTCATGAAGTGCAGTTCCTCACTCACTT 1209
Qy 300 eSerGlyThrValArgProIleCysLeuProPheAspGluGluLeuThrProAlaTh 320
Dbb 1210 CTCAGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTGTATGAGGAGCTCACTCCAGCCAC 1269
Qy 320 rProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIl 340
Dbb 1270 CCCACTCTGGATCATTTGGATGGGCTTTTACGAAGCAGAAATGGAGGAAGATGTCTGACAT 1329
Qy 340 eLeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTy 360
Dbb 1330 ACTGCTGAGCGGTCACTCCAGGTCAATTGACAGCACAGGTGCAATGCAGACGATCGTA 1389
Qy 360 rGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspTh 380
Dbb 1390 CCAGGGGAAGTCAACCGAGAAGATGATGTGTGCAGGCATCCCGGAAGGGGTGTGGACAC 1449
Qy 380 rCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGl 400
Dbb 1450 CTGCCAGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGG 1509
Qy 400 YIleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysVa 420
Dbb 1510 CATCGTTAGCTGGGCTATGGCTGGGGGGCCGAGCCAGGAGTATACCAAGGT 1569
Qy 420 lSerAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Dbb 1570 CTCAGCCTATCTCAACTGGATCTACAATGTCTGGAAAGGCTGAGCTG 1615

RESULT 6

US-09-851-588-5
; Sequence 5, Application US/09851588
; Patent No. US20020042067A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt C.
; APPLICANT: Wilson, Keith E.
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-68829-1/DJB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/851,588
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/642,252
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/656,002
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-851-588-5

Alignment Scores:

Pred. No.: 4.03e-281 Length: 2079
Score: 2324.00 Matches: 434
Percent Similarity: 99.77% Conservative: 0
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.23% Indels: 1
DB: 9 Gaps: 0

US-09-607-745-2 (1-435) x US-09-851-588-5 (1-2079)

Qy 2 AspProAspSerAspGlnProLeuAsnSerLeuAspVallysProLeuArgLysProArg 21
Dbb 217 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGGCAACCCCGT 276
Qy 22 IleProMetGluThrPheArgLys-ValGlyIleProIleIleIleAlaLeuLeuSerLe 41
Dbb 277 ATCCCCATGGAGACCTTCAGAAAGTGTGGGATCCCCATCATCATAGCACTACTGAGCCT 336
Qy 41 uAlaSerIleIleIleValValValLeuLeuIleLysValIleLeuAspLysTyrTyrPheLe 61
Dbb 337 GCGGAGTATCATATTGTGTGTTCCTCATCAAGGTGATTCTGGATAAATACTACTTCTCT 396
Qy 61 uCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCy 81
Dbb 397 CTGCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGAGAGCTGGACTG 456
Qy 81 sProLeuGlyGluAspGluGluHisCysVallysSerPheProGluGlyProAlaValAl 101
Dbb 457 TCCCTTGGGGAGGACGAGGAGCACTGTGTCAAGAGCTTCCCCGAAGGCGCTGCAGTGGC 516
Qy 101 aValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTr 121
Dbb 517 AGTCCGCTCTCCAAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAACCTG 576
Qy 121 pPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMe 141
Dbb 577 GTTCTCTGCCTGTTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCCTGTAGGCAGAT 636
Qy 141 tGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAs 161
Dbb 637 GGGCTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGATTGGCCAGACAGGATCTGGA 696
Qy 161 pValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCy 181
Dbb 697 TGTGTTGAAATCACAGAAACAGCCAGGAGCTTCGCATGCGGAACCTCAAGTGGGCCCTG 756
Qy 181 sLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPr 201

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Db 757 TCTCTCAGGCTCCCTGGTCTCCCTGCACGTGTCTTGGCCTGTGGAGAGCCTGAAGACCCC 816
QY 201 oArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGlnValSerIleGl 221
Db 817 CCGTGTGGTGGTGGGAGGAGCCTCTGTGGATTCTTGGCCTTGGCAGGTGAGCATCCA 876
QY 221 nTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAl 241
Db 877 GTACGACAAACAGCACGCTGTGTGGAGGAGCATCTCTGGACCCCACTGGGTCTTCACGGC 936
QY 241 aAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAs 261
Db 937 AGCCCACTGCTTCAGGAACATACCGATGTGTCAACTGGAAGGTGGCGCAGGCTCAGA 996
QY 261 pLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleLeuGluPheAsnPr 281
Db 997 CAAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATTAATTCAACCC 1056
QY 281 oMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSe 301
Db 1057 CATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCACACTTCTC 1116
QY 301 rGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPr 321
Db 1117 AGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCC 1176
QY 321 oLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLe 341
Db 1177 ACTCTGGATCATTTGGATGGGCTTTACGAAGCAGATGGAGGAAGATGTCTGACATACT 1236
QY 341 uLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGl 361
Db 1237 GCTGCAGGCGTCAGTCCAGGTCATTGACAGCACAGGTGCAATGCAGACGATGCGTACCA 1296
QY 361 nGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCy 381
Db 1297 GGGGGAAGTCACCGAGAAGATGATGTGTGAGGATCCCGAAGGGGTGTGGACACCTG 1356
QY 381 sGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIl 401
Db 1357 CCAGGTTGACAGTGGTGGGCCCTGTATGATACCAATCTGACCAGTGGCATGTGGTGGCAT 1416
QY 401 eValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSe 421
Db 1417 CGTTAGCTGGGCTATGGCTGGGGGCCCCGAGCACCCAGAGTATACACCAAGGTCTC 1476
QY 421 rAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1477 AGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1519

RESULT 7
US-09-776-191-71
; Sequence 71, Application US/09776191
; Publication No. US20030119168A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Edgar O. Ong
; APPLICANT: Jiunn-Chern Yeh
; APPLICANT: Corvas International, Inc.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND
; TITLE OF INVENTION: METHODS BASED THEREON
; FILE REFERENCE: 24745-1607
; CURRENT APPLICATION NUMBER: US/09/776,191
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/213,124
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/234,840
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/179,982
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 60/183,542
; PRIOR FILING DATE: 2000-02-18
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; PRIOR APPLICATION NUMBER: 09/657,968
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 71
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (251)...(1522)
; OTHER INFORMATION: Nucleotide sequence encoding transmembrane
; OTHER INFORMATION: protease, serine 4 (TPRSS4)
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank NM016425
; DATABASE ENTRY DATE: 2000-11-06
US-09-776-191-71.
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Alignment Scores:
Pred. No.: 4.03e-281 Length: 2079
Score: 2324.00 Matches: 434
Percent Similarity: 99.77% Conservative: 0
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.23% Indels: 1
DB: 11 Gaps: 0
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US-09-607-745-2 (1-435) x US-09-776-191-71 (1-2079)

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QY 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 217 GATCCTGACAGTATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGCGCAACCCCGT 276
QY 22 IleProMetGluThrPheArgLys-ValGlyIleProIleIleAlaLeuLeuSerLe 41
Db 277 ATCCCATGGAGACCTTCAGAAAGTGTGGGATCCCATCATCATAGACACTACTGAGCCT 336
QY 41 uAlaSerIleIleIleValValValLeuIleLysValIleLeuAspLysTyrTyrPheLe 61
Db 337 GCGAGTATCATCATTTGTGTTTCCTCATCAAGGTGATTCTGGATAAATACTACTTCTCT 396
QY 61 uCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCy 81
Db 397 CTGCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTG 456
QY 81 sProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAl 101
Db 457 TCCCTTGGGGGAGGACGAGGAGCACTGTGTCAAGAGCTTCCCCGAAAGGCGCTGCAGTGGC 516
QY 101 aValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTr 121
Db 517 AGTCCGCTCTCTCAAGGACCGATCCACACTGCAGGTGTCTGGACTCGGCCACAGGGAAC 576
QY 121 pPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMe 141
Db 577 GTTCTCTGCCCTGTTTCGACAACTTCACAGAAAGCTCTCGCTGAGACAGCCTGTAGGCAGAT 636
QY 141 tGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAs 161
Db 637 GGGCTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGATTGGCCACAGACCAGGATCTGGA 696
QY 161 pValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCy 181
Db 697 TGTGTTGAATCACAGAAAACAGCCAGGAGCTTCGCATGCGGAACCTCAAGTGGGCCCTG 756
QY 181 sLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPr 201
Db 757 TCTCTCAGGCTCCCTGGTCTCCCTGCCTGTCTTTCCTGTGGGAAGAGCCTGAAGACCCC 816
QY 201 oArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGl 221
Db 817 CCGTGTGGTGGTGGGAGGAGGCGCTCTGTGGATTCTTGGCCTTGGCAGGTGAGCATCCA 876
QY 221 nTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAl 241
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Db 997 CAAAGTGGGAGCTTCCCATCCCTGGCTGTGGCCAGATCATCATTAATCAACCC 1056
Qy 281 oMetTyrProLysAspAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSe 301
Db 1057 CATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCACACTTCTC 1116
Qy 301 rGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPr 321
Db 1117 AGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCC 1176
Qy 321 oLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLe 341
Db 1177 ACTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGCTGTGACATACT 1236
Qy 341 uLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGl 361
Db 1237 GCTGCAGGCTCAGTCCAGGTCAATTGACAGCACACGGTGCAATGCAGACGATGCGTACCA 1296
Qy 361 nGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCy 381
Db 1297 GGGGGAAGTCACCGAAGATGATGTGTGAGGCATCCCGAAGGGGTGTGGACACCTG 1356
Qy 381 sGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIl 401
Db 1357 CCAGGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAATGTCAGGATGGTGGGCAT 1416
Qy 401 eValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSe 421
Db 1417 CGTAGCTGGGGCTATGGCTGGGGGGCCGAGCACCCAGGAGTATACACCAAGGTCTC 1476
Qy 421 rAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1477 AGCTATCTCAACTGGATCTACAAATGCTCTGGAAGGCTGAGCTG 1519

RESULT 9

US-10-254-289-1

; Sequence 1, Application US/10254289
; Publication No. US20030118509A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-69108/DJB/JUD/AMS
; CURRENT APPLICATION NUMBER: US/10/254,289
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US/09/656,002
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US 00/07044
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-254-289-1

Alignment Scores:

Pred. No.: 4.03e-281 Length: 2079
Score: 2324.00 Matches: 434
Percent Similarity: 99.77% Conservative: 0
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.23% Indels: 1
DB: 14 Gaps: 0

US-09-607-745-2 (1-435) x US-10-254-289-1 (1-2079)

Qy 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 217 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGCGCAACCCCGT 276
Qy 22 IleProMetGluThrPheArgLys-ValGlyIleProIleIleAlaLeuLeuSerLe 41
Db 277 ATCCCCATGGAGACCTTCAGAAAGTGTGGGATCCCCATCATCATAGCACACTACTGAGCCT 336
Qy 41 uAlaSerIleIleIleValValLeuIleLysValIleLeuAspLysTyrTyrPheLe 61
Db 337 GCGAGTATCATATTGTGTGTCTCATCAAGTGATTTCTGATAAATACTACTTCTCT 396
Qy 61 uCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCy 81
Db 397 CTGCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTG 456
Qy 81 sProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAl 101
Db 457 TCCCTTGGGGAGCAGCAGGAGCAGCTGTGTCAAGAGCTTCCCCGAAGGGCCTGCAGTGGC 516
Qy 101 aValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTr 121
Db 517 AGTCCGCTCTCCAAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAACCTG 576
Qy 121 pPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMe 141
Db 577 GTTCTCTGCCTGTTCGACAACTTCACAGAAAGCTCTCGCTGAGACAGCCTGTAGGCAGAT 636
Qy 141 tGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAs 161
Db 637 GGGCTACAGCAGCAAAACCCACTTTTCAGAGCTGTGGAGATTGGCCCCAGACAGGATCTGGA 696
Qy 161 pValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCy 181
Db 697 TGTGTGTGAATCACAGAAACACAGCCAGGAGCTTCGCATGCGGAACTCAAGTGGGCCCTG 756
Qy 181 sLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPr 201
Db 757 TCTCTCAGGCTCCCTGGTCTCCCTGCCTGTCTTGGCTGTGGGAAGAGCCTGAAGACCCC 816
Qy 201 oArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGl 221
Db 817 CCGTGTGTGGTGGGAGGAGGCTCTCTGTGATTTCTTGGCTTGGCAGGTGAGCATCCA 876
Qy 221 nTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAl 241
Db 877 GTACGACAAACAGCACGCTGTGTGGAGGGAGCATCTTGACCCCTGCTGGTCTCTCACGGC 936
Qy 241 aAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAs 261
Db 937 AGCCCACTGCTTCAGGAACATACCGATGTGTTCACCTGGAAGGTGCGGGCAGGCTCAGA 996
Qy 261 pLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPr 281
Db 997 CAAACTGGGCAAGCTTCCCATCCCTGGCTGTGGCCAAGATCATCATTAATTCAACCC 1056
Qy 281 oMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSe 301
Db 1057 CATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCACACTTCTCTC 1116
Qy 301 rGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPr 321
Db 1117 AGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCC 1176
Qy 321 oLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLe 341
Db 1177 ACTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACT 1236
Qy 341 uLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGl 361
Db 1237 GCTGCAGGCTCAGTCCAGGTCAATTGACAGCACACGGTGCAATGCAGACGATGCGTACCA 1296

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Qy 361 nGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCy 381
Db 1297 GGGGAAGTCACCGAGAAGATGTGTGCAGGCATCCCGAAGGGGTGTGGACACCTG 1356
Qy 381 sGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db 1357 CCAGGTTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGCAT 1416
Qy 401 eValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSe 421
Db 1417 CGTTAGTGGGGCTATGGCTCGGGGGCCCCGAGCAGCCCCAGGAGTATACACCAAGGTCTC 1476
Qy 421 rAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1477 AGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1519
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RESULT 10
US-09-776-191-3
; Sequence 3, Application US/09776191
; Publication No. US20030119168A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Edgar O. Ong
; APPLICANT: Jiunn-Chern Yeh
; APPLICANT: Corvas International, Inc.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND
; TITLE OF INVENTION: METHODS BASED THEREON
; FILE REFERENCE: 24745-1607
; CURRENT APPLICATION NUMBER: US/09/776,191
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/213,124
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/234,840
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/179,982
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 60/183,542
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: 09/657,968
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (261)...(1574)
; OTHER INFORMATION: DNA sequence encoding a transmembrane serine
; OTHER INFORMATION: protease (MTSP3) protein
US-09-776-191-3
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Alignment Scores:
Pred. No.: 1.79e-280 Length: 2137
Score: 2319.00 Matches: 432
Percent Similarity: 99.54% Conservative: 0
Best Local Similarity: 99.54% Mismatches: 2
Query Match: 99.02% Indels: 0
DB: 11 Gaps: 0
US-09-607-745-2 (1-435) x US-09-776-191-3 (1-2137)
Qy 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 270 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGCGCAACCCCGT 329
Qy 22 IleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeuLeuSerLeu 41
Db 330 ATCCCCATGGAGACCTTCAGAAAGTGGGGATCCCCATCATCATAGCAGCTACTGAGCCTG 389
Qy 42 AlaSerIleIleValValValIleLysValIleLeuAspLysTyrTyrPheLeu 61
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Db 390 CCGAGTATCATCTGTGTTGTTCTCTCAAGGTGATTTCTGGATAAATACTACTTCCTC 449
Qy 62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81
Db 450 TCGGGGAGCCCTCTCCACTTTCATCCCGAAGAGCAGCTGTGTACGAGAGCTGGACTGT 509
Qy 82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101
Db 510 CCCTTGGGGAGGAGGAGGAGCAGCTGTGTCAAGAGCTTCCCGAAGGGCCTGCAGTGGCA 569
Qy 102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121
Db 570 GTCCGCCCTCTCCAAGGACCGATCCACACTGAGGTGTGTGGACTCGGCACAGGGAACCTG 629
Qy 122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141
Db 630 TTCTCTGCCCTGTTTCGACAACTTCACAGAGCTCTCGCTGAGACAGCCTGTAGGCAGATG 689
Qy 142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161
Db 690 GGCTACAGCAGCAAAACCCACTTCAGAGCTGTGGAGATTGGCCCCAGACAGGATCTGGAT 749
Qy 162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181
Db 750 GTTGTGTAATTCACAGAAACAGCCAGGAGCTTCGCATCGGGAACCTCAAGTGGGCCCTGT 809
Qy 182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201
Db 810 CTCTCAGGCTCCCTGCTCTCCCTGCACCTGTCTGTGCTGTGGGAAGAGCCTGAAGACCCC 869
Qy 202 ArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db 870 CGTGTGGTGGTGGGAGGAGGCTCTGTGATTTCTTGGCCTTGGCAGGTCCAGTCCAG 929
Qy 222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db 930 TAGACATACAGCAGCTGTGTGGAGGAGCATCCTGGACCCCCACTGGTCTCTCAGCGCA 989
Qy 242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261
Db 990 GCCCACTGCTTCAGGAAACATACCGATGTGTCAACTGGAAGGTGCGGCGAGGCTCAGAC 1049
Qy 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db 1050 AAACCTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATATTGAATTCACACCC 1109
Qy 282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301
Db 1110 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGAGTCCACTTCCACTTCTCTCA 1169
Qy 302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321
Db 1170 GGCACAGTCAGGCTCATCTGTCTGCCCTTCTTGTATGAGGAGCTCACTCCAGCCACCCCA 1229
Qy 322 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341
Db 1230 CTCTGGATCATTTGGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACTG 1289
Qy 342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 361
Db 1290 CTGCAGGCGTCAGTCCAGGTCATTGACAGCACACGGTGCATATGCACGATCGGTACCCAG 1349
Qy 362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyValAspThrCys 381
Db 1350 GGGGAAGTCACCGAAGATGATGTGTGAGGCGATCCCGAAGGGGTGTGGACACCTGC 1409
Qy 382 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db 1410 CAGGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGCATC 1469
Qy 402 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 421
```

Db 1470 GTTAGCTGGGGCTATGGCTGGGGGGCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1529

QY 422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435

Db 1530 GCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1571

RESULT 11

US-09-888-257A-2

; Sequence 2, Application US/09888257A

; Publication No. US20030060612A1

; GENERAL INFORMATION:

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Polakis, Paul

; APPLICANT: Smith, Victoria

; APPLICANT: Wood, William I.

; APPLICANT: Wu, Thomas D.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND

; TREATMENT OF TUMOR

; FILE REFERENCE: P5002R1

; CURRENT APPLICATION NUMBER: US/09/888,257A

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/063,540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: US 60/089,653

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: US 60/099,792

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: US 60/103,678

; PRIOR FILING DATE: 1998-10-08

; PRIOR APPLICATION NUMBER: US 60/235,451

; PRIOR FILING DATE: 2000-09-26

; PRIOR APPLICATION NUMBER: PCT/US99/12252

; PRIOR FILING DATE: 1999-06-02

; PRIOR APPLICATION NUMBER: PCT/US99/20111

; PRIOR FILING DATE: 1999-09-01

; PRIOR APPLICATION NUMBER: PCT/US00/04342

; PRIOR FILING DATE: 2000-02-18

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: 2000-03-02

; PRIOR APPLICATION NUMBER: PCT/US00/08439

; PRIOR FILING DATE: 2000-03-30

; PRIOR APPLICATION NUMBER: PCT/US00/23328

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: PCT/US00/32678

; PRIOR FILING DATE: 2000-12-01

; PRIOR APPLICATION NUMBER: PCT/US01/06520

; PRIOR FILING DATE: 2001-02-28

; PRIOR APPLICATION NUMBER: PCT/US01/06666

; PRIOR FILING DATE: 2001-03-01

; NUMBER OF SEQ ID NOS: 10

; SEQ ID NO 2

; LENGTH: 2063

; TYPE: DNA

; ORGANISM: Homo Sapien

US-09-888-257A-2

Alignment Scores:

Pred. No.:	8.51e-278	Length:	2063
Score:	2297.50	Matches:	429
Percent Similarity:	98.85%	Conservative:	0
Best Local Similarity:	98.85%	Mismatches:	0
Query Match:	98.10%	Indels:	5
DB:	11	Gaps:	1

US-09-607-745-2 (1-435) x US-09-888-257A-2 (1-2063)

QY 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21

Db 219 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAAACCCCTGGCAAAACCCCGT 278

QY 22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeu 41

Db 279 ATCCCCATGGAGACCTTCAGAAAGGTGGGATCCCCATCATCATAGCACTACTAGCCTG 338

QY 42 AlaSerIleIleValValValLeuLysValIleLeuAspLysTyrTyrPheLeu 61

Db 339 GCGAGTATCATCATTTGGTTGTCTCATCAAGGTGATTCTGGATAAATACTACTTCTC 398

QY 62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81

Db 399 TCGGGGAGCCCTCTCCACTTCATCCGAGGAAGCAGCTGTGTGACGAGAGCTGGACTGT 458

QY 82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101

Db 459 CCCTTGGGGGAGGAGCAGGAGCAGCTGTGTCAAGAGCTTCCCCGAAGGGCCTGCAGTGGCA 518

QY 102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121

Db 519 GTCCGCCTCTCCAAAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGAACTGG 578

QY 122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141

Db 579 TTCTCTGCCTGTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCTGTAGGCAGATG 638

QY 142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161

Db 639 GGCTACAGC-----AGAGCTGTGGAGATTGGCCGAGACCAAGGATCTGGAT 683

QY 162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181

Db 684 GTTGTGAAATCACAGAAACAGCCAGGAGCTTCGCATCGGAACTCAAGTGGGCCCTGT 743

QY 182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201

Db 744 CTCTCAGGCTCCCTGGTCTCCCTGCACCTGTCTTGCCTGTGGGAAGAGCCTGAAGACCCC 803

QY 202 ArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221

Db 804 CGTGTGTGGTGGGAGGAGGCCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAG 863

QY 222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241

Db 864 TACGACAAACAGCAGCTCTGTGGAGGAGCAGCATCTGGACCCCACTGGGTCTCAGCGCA 923

QY 242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261

Db 924 GCCCACTGTCTCAGGAAACATACCGATGTGTCAACTGGAAGGTGGGGCAGGCTCAGAC 983

QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 281

Db 984 AAACCTGGGCAGCTTCCCATCCCTGGCTGTGGCCCAAGATCATCATCATGAATTCAACCCC 1043

QY 282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301

Db 1044 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCCTCACTTCTCTCA 1103

QY 302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321

Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCA 1163

QY 322 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341

Db 1164 CTCTGGATCATTTGATGGGGCTTTACGAAGCAGAAATGGAGGGAAGATGTCTGACATCTG 1223

QY 342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 361

Db 1224 CTGCAGGCGTCAGTCCAGGTCAATTGACAGCACACGGTGCATGACAGACGATGCGTACCAG 1283

QY 362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 381

Db 1284 GGGGAAGTCACCGAGAAGATGATGTGTCCAGGCATCCCGGAAGGGGGTGTGGACACCTGC 1343

QY	382	GlnGlyAspSerGlyGlyProIeuMetTyrGlnSerAspGlnTrpHisValValGlyIle	401
DB	1344	CAGGGTGACAGTGGTGGGGCCCTCATGTACCAATCTGACCCAGTGGCATGTGGTGGGCATC	
QY	402	ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer	421
DB	1404	GTTAGCTGGGGCTATGGCTGCGGGGGCCCCGAGCACCCAGAGAGTATACACAAAGGTCCTCA	1463

RESULT 12

US-09-946-374-274
; Sequence 274, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

;	PRIOR APPLICATION NUMBER: 60/099799
;	PRIOR FILING DATE: 1998-09-10
;	PRIOR APPLICATION NUMBER: 60/099808
;	PRIOR FILING DATE: 1998-09-10
;	PRIOR APPLICATION NUMBER: 60/099812
;	PRIOR FILING DATE: 1998-09-10
;	PRIOR APPLICATION NUMBER: 60/099815
;	PRIOR FILING DATE: 1998-09-10
;	PRIOR APPLICATION NUMBER: 60/099816
;	PRIOR FILING DATE: 1998-09-10
;	PRIOR APPLICATION NUMBER: 60/100385
;	PRIOR FILING DATE: 1998-09-15
;	PRIOR APPLICATION NUMBER: 60/100388
;	PRIOR FILING DATE: 1998-09-15
;	PRIOR APPLICATION NUMBER: 60/100390
;	PRIOR FILING DATE: 1998-09-15
;	PRIOR APPLICATION NUMBER: 60/100584
;	PRIOR FILING DATE: 1998-09-16
;	PRIOR APPLICATION NUMBER: 60/100627
;	PRIOR FILING DATE: 1998-09-16
;	PRIOR APPLICATION NUMBER: 60/100661
;	PRIOR FILING DATE: 1998-09-16
;	PRIOR APPLICATION NUMBER: 60/100662
;	PRIOR FILING DATE: 1998-09-16
;	PRIOR APPLICATION NUMBER: 60/100664
;	PRIOR FILING DATE: 1998-09-16
;	PRIOR APPLICATION NUMBER: 60/100683
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/100684
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/100710
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/100711
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/100848
;	PRIOR FILING DATE: 1998-09-18
;	PRIOR APPLICATION NUMBER: 60/100849
;	PRIOR FILING DATE: 1998-09-18
;	PRIOR APPLICATION NUMBER: 60/100919
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/100930
;	PRIOR FILING DATE: 1998-09-17
;	PRIOR APPLICATION NUMBER: 60/101014
;	PRIOR FILING DATE: 1998-09-18
;	PRIOR APPLICATION NUMBER: 60/101068
;	PRIOR FILING DATE: 1998-09-18
;	PRIOR APPLICATION NUMBER: 60/101071
;	PRIOR FILING DATE: 1998-09-18
;	PRIOR APPLICATION NUMBER: 60/101279
;	PRIOR FILING DATE: 1998-09-22
;	PRIOR APPLICATION NUMBER: 60/101471
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101472
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101474
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101475
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101476
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101477
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101479
;	PRIOR FILING DATE: 1998-09-23
;	PRIOR APPLICATION NUMBER: 60/101738
;	PRIOR FILING DATE: 1998-09-24
;	PRIOR APPLICATION NUMBER: 60/101741
;	PRIOR FILING DATE: 1998-09-24
;	PRIOR APPLICATION NUMBER: 60/101743
;	PRIOR FILING DATE: 1998-09-24
;	PRIOR APPLICATION NUMBER: 60/101915
;	PRIOR FILING DATE: 1998-09-24
;	PRIOR APPLICATION NUMBER: 60/101916

QY 422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1464 GCCTATCTCAACTGGATCTACAATGTCTGGAGGCTGAGCTG 1505

RESULT 14

US-10-063-735-111
; Sequence 111, Application US/10063735
; Publication No. US20030138882A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,735
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 111
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-735-111

Alignment Scores:

Pred. No.: 8.51e-278 Length: 2063
Score: 2297.50 Matches: 429
Percent Similarity: 98.85% Conservative: 0
Best Local Similarity: 98.85% Mismatches: 0
Query Match: 98.10% Indels: 5
DB: 12 Gaps: 1

US-09-607-745-2 (1-435) x US-10-063-735-111 (1-2063)

QY 2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db 219 GATCCTGACAGTGATCAACCTCTGAACAGCCTCGATGTCAAACCCCTGGCAACCCCGT 278
QY 22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuSerLeu 41
Db 279 ATCCCATGGAGACCTTCAGAAAGGTGGGATCCCATCATCATAGCACTACTGAGCCCTG 338
QY 42 AlaSerIleIleIleValValLeuIleValIleValIleLeuAspLysTyrPheLeu 61
Db 339 GCGAGTATCATCATTTGGTTGTCTCATCAAGGTGATTCTGGATAAATACTACTTCTC 398
QY 62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81
Db 399 TCGGGGACGCTCTCCACTTTCATCCCGAGGAGCAGCTGTGTGACGGAGAGCTGGACTGT 458
QY 82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101
Db 459 CCCTTGGGGGAGGACGAGGAGCAGTGTGTCAAGAGCTTCCCGAAGGCGCTGCAGTGGCA 518
QY 102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121
Db 519 GTCCGCTCTCCAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAACTGG 578
QY 122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141
Db 579 TTCTCTGCCTGTTTCGACAACTTCACAGAAAGTCTCGCTGAGACAGCTGTAGGCAGATG 638
QY 142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161
Db 639 GGCTACAGC-----AGAGCTGTGGAGATTGGCCACAGCAGGATCTGGAT 683

QY 162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181
Db 684 GTTGTGAAATCACAGAAACAGCCAGAGCTTGGCATCGGAACTCAAGTGGCCCTGT 743
QY 182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201
Db 744 CTCTCAGGCTCCCTGGTCTCCCTGCACGTCTTGCCTGTGGGAAGAGCCTGAAGACCCC 803
QY 202 ArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db 804 CGTGTGGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCCTGGCAGGTCCAGATCCAG 863
QY 222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db 864 TACGACAAACAGACAGCTCTGTGGAGGAGCATCTTGGACCCCCACTGGGTCTCACGGCA 923
QY 242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261
Db 924 GCCCACTGCTTCAGGAAACATACCGATGTGTCAACTGGAAGTGGGCGGAGGCTCAGAC 983
QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db 984 AACTGGGCAGCTTCCATCCCTGGCTGGTGGCCAAAGATCATCATCATGATTGAATCAACCCC 1043
QY 282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301
Db 1044 ATGTACCCCAAGACATGACATCGCCCTCATGAAGTGCAGTCCCACTCACTTTCTCA 1103
QY 302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321
Db 1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGTCACTCCAGCCACCCCA 1163
QY 322 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341
Db 1164 CTCTGGATCATTTGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATAC 1223
QY 342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGln 361
Db 1224 CTGCAGGCGTCAGTCCAGGTCAATTGACAGCACACGGTGCATGAGACCGATCGGTACCAG 1283
QY 362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 381
Db 1284 GGGGAAGTCACGAGAAGATGATGTGTGAGGATCCCGGAAGGGGTGTGGACACCTGC 1343
QY 382 GlnGlyAspSerGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db 1344 CAGGGTGACAGTGGTGGGCCCTGTATACCAATCTGACCAAGTGGCATGTGGTGGGCATC 1403
QY 402 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 421
Db 1404 GTTAGCTGGGCTATGGTGGGGGGCCGAGCACCCAGGAGTATACACCAAGGTCTCA 1463
QY 422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db 1464 GCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505

RESULT 15

US-10-006-130A-274
; Sequence 274, Application US/10006130A
; Publication No. US20030148375A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

```
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C7
; CURRENT APPLICATION NUMBER: US/10/006,130A
; CURRENT FILING DATE: 2002-03-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 274
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-006-130A-274

Alignment Scores:
Pred. No.:      8.51e-278      Length:      2063
Score:          2297.50        Matches:      429
Percent Similarity: 98.85%      Conservative:- 0
Best Local Similarity: 98.85%      Mismatches:   0
Query Match:     98.10%      Indels:       5
DB:              12          Gaps:         1

US-09-607-745-2 (1-435) x US-10-006-130A-274 (1-2063)

QY      2 AspProAspSerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArg 21
Db      219 GATCTGACAGTGATCAACCTTGAAACAGCCTCGATGTCAACCCCTGGCAAAACCCCGT 278
QY      22 IleProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeu 41
Db      279 ATCCCATGGAGACCTTCAGAAAGGTGGGATCCCATCATCATAGCATTACTGAGCCTG 338
QY      42 AlaSerIleIleIleValValValLeuIleLysValIleLeuAspLysTyrTyrPheLeu 61
Db      339 GCGAGTATCATCATTTGTGTTGCTCATCAAGGTGATTTGGATAAATACTACTTCTCTC 398
QY      62 CysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCys 81
Db      399 TCGGGGAGCCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTGT 458
QY      82 ProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAla 101
Db      459 CCCTTGGGGAGGACGAGGAGCACTGTGTCAAGAGCTTCCCGAAGGCCCTGCAGTGGCA 518
QY      102 ValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTrp 121
Db      519 GTCCGCCTCTCCAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGAACTGG 578
QY      122 PheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGlnMet 141
Db      579 TTCTCTGCCTGTTTCGACAACTTCACAGAAAGCTCTCGCTGAGACAGCCCTGTAGGCAGATG 638
QY      142 GlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAsp 161
Db      639 GGCTACAGC-----AGAGCTGTGGAGATTGGCCCAAGACCAGGATCTGGAT 683
QY      162 ValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCys 181
Db      684 GTTGTGTAATCACAGAAACAGCCAGGAGCTTCGCATGCGGAACCTCAAGTGGGCCCTGT 743
QY      182 LeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPro 201
Db      744 CTCTCAGGCTCCCTGGTCTCCCTGCACTGTCTTGCCTGTGGGAAGAGCCTGAAGACCCCC 803
QY      202 ArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db      804 CGTGTGGTGGGTGGGAGGAGGCCTCTGTGGATTCTTGGCCTTGGCAGGTCCAGATCCAG 863
QY      222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db      864 TACGACAAACAGACAGTCTGTGGAGGGAGGAGCATCTGGACCCCACTGGGTCTTCACGGCA 923
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QY      242 AlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAsp 261
Db      924 GCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAAGTCCGGGCAGGCTCAGAC 983
QY      262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db      984 AAACCTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTAATTCACACCCC 1043
QY      282 MetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSer 301
Db      1044 ATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAAGTCCCACTCACTTTCTCA 1103
QY      302 GlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPro 321
Db      1104 GGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCA 1163
QY      322 LeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLeu 341
Db      1164 CTCTGGATCATTTGATGGGCTTTACGAAGCAGAAATGGAGGGAAGATGTCTGACATACTG 1223
QY      342 LeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAspAlaTyrGln 361
Db      1224 CTGCAGGCGTCAGTCCAGGTCATTTGACAGCACACGGTGCAATGCAGACGATGCGTACCAG 1283
QY      362 GlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThrCys 381
Db      1284 GGGGAAGTCACCGAAGATGATGTGTGAGGTCATCCCGAAGGGGTGTGGACACCTGC 1343
QY      382 GlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValValGlyIle 401
Db      1344 CAGGGTGACAGTGTGGGCCCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATC 1403
QY      402 ValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSer 421
Db      1404 GTTAGCTGGGCTATGGCTGCGGGGCCCCGAGCACCCCGAGGATATACCAAGGTCTCA 1463
QY      422 AlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
Db      1464 CCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1505
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Search completed: December 2, 2003, 05:05:10
Job time : 422.82 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: December 2, 2003, 02:30:15 ; Search time 83.7689 Seconds
(without alignments)
2292.040 Million cell updates/sec

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Perfect score: 2342
Sequence: 1 MDPDSQPLNSLDVKPLRKP.....VYTKVSAYLWVWVWKAEL 435

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues
Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	2338	99.8	2038	3	US-09-008-271A-18
2	2324	99.2	2079	4	US-09-656-002-1
3	677.5	28.9	2479	3	US-09-342-749-29
4	677.5	28.9	2479	4	US-09-691-840-29
5	676.5	28.9	1479	3	US-09-342-749-1
6	676.5	28.9	1479	4	US-09-691-840-1
7	650.5	27.8	2413	3	US-09-518-046-1
8	627	26.8	2544	3	US-09-518-046-3
9	621.5	26.5	2416	3	US-09-261-416-1
10	584.5	25.0	1783	3	US-09-510-738A-188
11	584.5	25.0	1783	4	US-09-861-966-188
12	584.5	25.0	2363	4	US-09-742-703-3

13	580	24.8	1615	4	US-09-820-002-1	Sequence 1, Appli
14	578	24.7	1605	2	US-09-000-846-1	Sequence 1, Appli
15	576	24.6	1460	4	US-09-370-838-80	Sequence 80, Appl
16	576	24.6	1517	1	US-08-508-448C-15	Sequence 15, Appl
17	576	24.6	2790	4	US-09-370-838-79	Sequence 79, Appl
18	574	24.5	1462	4	US-09-370-838-55	Sequence 55, Appl
19	571	24.4	2581	1	US-08-200-900A-1	Sequence 1, Appli
20	571	24.4	2581	5	PCT-US94-00616-1	Sequence 1, Appli
21	558.5	23.8	1077	3	US-08-807-151-2	Sequence 2, Appli
22	558.5	23.8	1077	4	US-09-478-957-2	Sequence 2, Appli
23	531.5	22.7	696	1	US-08-508-448C-24	Sequence 24, Appl
24	516.5	22.1	901	1	US-08-508-448C-9	Sequence 9, Appli
25	503.5	21.5	959	4	US-09-023-942A-25	Sequence 25, Appl
26	496	21.2	1613	4	US-09-387-375-1	Sequence 1, Appli
27	483	20.6	1100	4	US-09-023-942A-5	Sequence 5, Appli
28	478	20.4	1081	3	US-09-008-271A-15	Sequence 15, Appl
29	477	20.4	1094	4	US-09-023-942A-3	Sequence 3, Appli
30	472.5	20.2	1430	4	US-09-386-629-1	Sequence 1, Appli
31	467.5	20.0	1110	4	US-09-386-653A-1	Sequence 1, Appli
32	466.5	19.9	1225	4	US-09-734-675-1	Sequence 1, Appli
33	463	19.8	3147	2	US-09-027-337-1	Sequence 1, Appli
34	463	19.8	3147	4	US-09-644-600-1	Sequence 1, Appli
35	463	19.8	3147	4	US-09-644-600-18	Sequence 18, Appl
36	462.5	19.7	980	4	US-09-023-942A-30	Sequence 30, Appl
37	462.5	19.7	1212	4	US-09-620-312D-431	Sequence 431, App
38	458.5	19.6	1130	4	US-09-387-375-8	Sequence 8, Appli
39	458	19.6	1739	2	US-08-681-151-2	Sequence 2, Appli
40	449.5	19.2	1165	4	US-09-023-942A-28	Sequence 28, Appl
41	445	19.0	933	4	US-09-023-942A-29	Sequence 29, Appl
42	443.5	18.9	1130	4	US-09-386-653A-8	Sequence 8, Appli
43	443	18.9	2296	1	US-07-750-080A-18	Sequence 18, Appl
44	443	18.9	2296	3	US-08-651-472-18	Sequence 18, Appl
45	443	18.9	2296	3	US-08-358-928-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-09-008-271A-18
; Sequence 18, Application US/09008271A
; Patent No. 6203979

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
Hillman, Jennifer L.
Yue, Henry
Guegler, Karl J.
Corley, Neil C.
Tang, Tom Y.
Shah, Purvi
TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008,271A
FILING DATE: 16-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Mohan-Peterson, Sheela
REGISTRATION NUMBER: 41,201
REFERENCE/DOCKET NUMBER: PF-0458 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 2038 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLNNOT13
CLONE: 1337018

SEQUENCE DESCRIPTION: SEQ ID NO: 18:

US-09-008-271A-18

Alignment Scores:

Pred. No.: 6.49e-244 Length: 2038
Score: 2338.00 Matches: 434
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.83% Indels: 0
DB: 3 Gaps: 0

US-09-607-745-2 (1-435) x US-09-008-271A-18 (1-2038)

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QY	21	ArgileProMetGluThrPheArgLysValGlyIleProIleIleIleAlaLeuSer	40
Db	260	CGTATCCCATGAGACCTTCAGAAAGTGGGATCCCCATCATAGCACTACTGAGC	319
QY	41	LeuAlaSerIleIleValValIleLysValIleLeuAspLysTyrPhe	60
Db	320	CTGGCGAGTATCATATTGTTGTTCTCTCATCAAGGTGATCTGGATAAATACTACTTC	379
QY	61	LeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAsp	80
Db	380	CTCTGGGGGAGCCCTCTCCACTTCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGAC	439
QY	81	CysProLeuGlyGluAspGluHisCysValLysSerPheProGluGlyProAlaVal	100
Db	440	TGTCCCTTGGGGAGGACGAGGAGCACTGTGTCAAGAGCTTCCCCGAAGGGCCCTGCAGTG	499
QY	101	AlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsn	120
Db	500	GCAGTCCGCTCTCCAAAGGACCGATCCACACTGCAGGTGTGGACTCGGCCACAGGGAAC	559
QY	121	TrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArgGln	140
Db	560	TGGTTCTCTGCTGTTTCGACAACTTCACAGAAGCTCTCGCTGAGACAGCCTGTAGGCAG	619
QY	141	MetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeu	160
Db	620	ATGGGCTACAGCAGCAACCCACTTTCAGAGCTGTGGAGATTGGCCAGACCAGGATCTG	679
QY	161	AspValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyPro	180
Db	680	GATGTTGTTGAATACAGAAACACAGCAGGAGCTTCGCATGCGGAACCTCAAGTGGGCC	739
QY	181	CysLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThr	200
Db	740	TGTCTCTCAGGCTCCCTGGTCTCCCTGCATGCTTGTGCTGTGGGAGAGCCTGAAGACC	799
QY	201	ProArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIle	220
Db	800	CCCCGTGTGGTGGTGGGAGGAGGCGCTCTGTGGATTCTTGGCCTTGGCAGGTGAGCATC	859
QY	221	GlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThr	240
Db	860	CAGTACGACAAACACACACGCTCTGTGGAGGAGCATCTCTGGACCCCACTGGGTCTCAGG	919

QY	241	AlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySer	260
Db	920	GCAGCCCACTGCTTCAAGAAACATACCGATGTGTTCAACTGGAAGTGGGGCAGGCTCA	979
QY	261	AspLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsn	280
Db	980	GACAAACTGGGAGCTTCCCATCCCTGGTGTGGCCAAGATCATCATTAATTCAAC	1039
QY	281	ProMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPhe	300
Db	1040	CCCATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGCAGTCCCACTCACTTTC	1099
QY	301	SerGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThr	320
Db	1100	TCAGGCACAGTCAGGCCCATCTGTCTGCCCTCTTTGATGAGGAGCTCACTCCAGCCACC	1159
QY	321	ProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIle	340
Db	1160	CCACTCTGGATCATTTGGATGGGCTTTACGAAGACAATGGAGGAAGATGTCTGACATA	1219
QY	341	LeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyr	360
Db	1220	CTGCTCAGGCGTCACTCCAGGTCAATTGACAGCACACGGTGCAATGCAGACGATCGGTAC	1279
QY	361	GlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGluGlyGlyValAspThr	380
Db	1280	CAGGGGAAGTCAACCGAGAAGATGATGTGTGAGGCATCCCGAAGGGGTGTGGACACC	1339
QY	381	CysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGlnTrpHisValGly	400
Db	1340	TGCCAGGTGACAGTGTGGGGCCCTGTATGATACCAATCTGACCAGTGGCATGTGGTGGC	1399
QY	401	IleValSerTrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysVal	420
Db	1400	ATCGTAGCTGGGCTATGGCTGCGGGGCCCCGAGCACCCAGGAGTATACCCAGGTC	1459
QY	421	SerAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu	435
Db	1460	TCAGCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG	1504

RESULT 2

US-09-656-002-1
; Sequence 1, Application US/09656002
; Patent No. 6455668
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; TITLE OF INVENTION: OF SCREENING FOR COLORECTAL CANCER MODULATORS
; FILE REFERENCE: A-69108/DJB/JUD/AMS
; CURRENT APPLICATION NUMBER: US/09/656,002
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/525,993
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 09/493,444
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US 00/07044
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 2079
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-656-002-1

Alignment Scores:
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Score: 2324.00 Matches: 434
Percent Similarity: 99.77% Conservative: 0
Best Local Similarity: 99.77% Mismatches: 0
Query Match: 99.23% Indels: 1

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QY 22 IleProMetGluThrPheArgLys-ValGlyIleProIleIleIleAlaLeuSerLe 41
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QY 41 uAlaSerIleIleIleValValLeuIleLysValIleLeuAspLysTyrPheLe 61
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QY 61 uCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGluLeuAspCy 81
DB 397 CTGGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGTGTGTGACGGAGAGCTGGACTG 456
QY 81 sProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyProAlaValAl 101
DB 457 TCCCTTGGGGAGGACGAGGACACTGTGTCAAGAGTTCCCCGAAGGCCCTGCAGTGGC 516
QY 101 aValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGlyAsnTr 121
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QY 141 tGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAs 161
DB 637 GGGTACAGCAGCAAAACCCACTTTCAGAGCTGTGGAGTGTGGCCAGACCAGGATCTGGA 696
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DB 697 TGTTGTTGAAATCACAGAAACAGCCAGGAGCTTCGCATCGGAACCTCAAGTGGGCCCTG 756
QY 181 sLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeuLysThrPr 201
DB 757 TCTCTCAGCTCCCTGGTCTCCCTGCACCTGTCTTGCTGTGGAGAGCCTGAAGACCCC 816
QY 201 oArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGl 221
DB 817 CCGTGTGTGGTGGGGAGGAGGCTCTGTGGATTCCTTGGCCTTGGCAGGTTCAGCATCCA 876
QY 221 nTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAl 241
DB 877 GTACGACAAACAGCACGCTCTGTGGAGGGAGCATCTCTGGACCCCACTGGGTCTCACGGC 936
QY 241 aAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArgAlaGlySerAs 261
DB 937 AGCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGA 996
QY 261 pLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPr 281
DB 997 CAAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAAGATCATCATCATTTGAATCAACCC 1056
QY 281 oMetTyrProLysAspAsnAspIleAlaLeuMetLysLeuGlnPheProLeuThrPheSe 301
DB 1057 CATGTACCCCAAGACAATGACATCGCCCTCATGAAGCTGAGTTCCTCCACTCACTTCTC 1116
QY 301 rGlyThrValArgProIleCysLeuProPhePheAspGluGluLeuThrProAlaThrPr 321
DB 1117 AGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCC 1176
QY 321 oLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGlyLysMetSerAspIleLe 341
DB 1177 ACTCTGGATCATGTGATGGGCTTTACGAAGCAGAAATGGAGGAAGATGTCTGACATACT 1236
QY 341 uLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsnAlaAspAlaTyrGl 361

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DB 1297 GGGGGAAGTCAACGAGAAGATGATGTGTGAGGCATCCCGAAGGGGTGTGGACACCTG 1356
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QY 421 rAlaTyrLeuAsnTrpIleTyrAsnValTrpLysAlaGluLeu 435
DB 1477 AGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG 1519
RESULT 3
US-09-342-749-29
; Sequence 29, Application US/09342749
; Patent No. 6166194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; CURRENT FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 2479
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-342-749-29
Alignment Scores:
Pred. No.: 1.81e-63 Length: 2479
Score: 677.50 Matches: 151
Percent Similarity: 54.05% Conservative: 56
Best Local Similarity: 39.43% Mismatches: 127
Query Match: 28.93% Indels: 49
DB: 3 Gaps: 13
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DB 453 TGTGATGGCGTGTCACTACCTGCCCGGGGAGGACGAGAAATCGGTGTGTTCGCTCTAC 512
QY 95 ProGluGlyProAlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeu 114
DB 513 -----GGACCA-----AACTTCATCCTTCAGATGTAC 539
QY 115 AspSerAlaThrGlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAla 134
DB 540 TCATCTCAGAGGAAGTCTCTGGCACCCCTGTGTGCCAAGACGACTGGAACGAGAACTACGGG 599
QY 135 GluThrAlaCysArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIle 154
DB 600 CGGGCGGCTTCAGGAGACATGGGCTAT-----AAGAATAATTTTACTTAGCCAA--- 650
QY 155 GlyProAspGlnAspLeuAspValValGluIleThrGluAsnSerGlnGluLeuArgMet 174
DB 651 -----GGAATAGTGGATGACAGCGGATCCACCAGCTTTATGAAACTG 692
QY 175 ArgAsnSerSerGly-----ProCysLeu 182


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Db 693 AACACAGTGGCGGCAATGTCGATATCTATAAAAACTGTACACAGTATGCTGTCT 752
QY 183 SerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeu-----Lys 199
Db 753 TCAAAAGCAGTGGTTCTTTACGCTGTTTAGCCTGCGGGTCAACTTGAACCAAGCCGC 812
QY 200 ThrProArgValValGlyGluGluAlaSerValAspSerTrpProTrpGlnValSer 219
Db 813 CAGAGCAGGATCGTGGCGGTGAGAGCGCGCTCCCGGGGCGCTGCCCTGGCAGTCAGC 872
QY 220 IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu 239
Db 873 CTGCACGTCAGAACGTCCTCCACGTCGTGGAGGCTCCATCATCACCCCGAGTGGATCGTG 932
QY 240 ThrAlaAlaHisCysPheArgLysHis---ThrAspValPheAsnTrpLysValAla 258
Db 933 ACAGCCGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCATGGACGGCATTTGCG 992
QY 259 GlySerAspLysLeuGlySerPhe-----ProSerLeuAlaValAlaLysIle 274
Db 993 GGGATTTTGAGA---CAATCTTTTCATGTTCTATGGAGCCGGATACCAAGTACAAAAGTG 1049
QY 275 IleIleIleGluPheAsnProMetTyr-----ProLysAspAsnAspIleAlaLeu 291
Db 1050 ATT-----TCTCATCCAAATTATGACTCCAAGACCAAGAACAAATGACATTGGCGTG 1100
QY 292 MetLysLeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhe 311
Db 1101 ATGAAGCTGCAGAACCTCTGACTTTCAACGACCTAGTGAACACAGTGTCTGCCCAAC 1160
QY 312 PheAspGluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLys 331
Db 1161 CCAGGCATGATGCTGCAGCCAGAACAGCTCTGCTGGATTTCGGGTGGGGCCACCGAG 1220
QY 332 GlnAsnGlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSer 351
Db 1221 GAGAAA---GGGAAGACCTCAGAAGTGCTGAACGCTGCCAAGGTGCTTCTCATTTGAGACA 1277
QY 352 ThrArgCysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAla 371
Db 1278 CAGAGATGCAACAGCAGATATGTCTATGACAACTGATCACACCAGCCATGATCTGTGCC 1337
QY 372 GlyIleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyr 391
Db 1338 GGCTCTCTGCAGGGGAACGTGATCTTCCAGGGTGACAGTGGAGGGCTCTGGTCACT 1397
QY 392 GlnSerAspGln---TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGly 410
Db 1398 TCGAACAAACAATATCTGGTGGCTGATAGGGGATACAAAGCTGGGTTCTGGCTGTGCCAAA 1457
QY 411 ProSerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyrAsnVal 430
Db 1458 GCCTACAGACCAGGAGTGTTACGGGAATGTGATGGTATTACGGACTGGATTATCGACAA 1517
QY 431 TrpLysAla 433
Db 1518 ATGAAGGCA 1526
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RESULT 4

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US-09-691-840-29
; Sequence 29, Application US/09691840
; Patent No. 644419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
```

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; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 2479
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-691-840-29

Alignment Scores:
Pred. No.: 1.81e-63 Length: 2479
Score: 677.50 Matches: 151
Percent Similarity: 54.05% Conservative: 56
Best Local Similarity: 39.43% Mismatches: 127
Query Match: 28.93% Indels: 49
DB: 4 Gaps: 13

US-09-607-745-2 (1-435) x US-09-691-840-29 (1-2479)
QY 75 CysAspGlyGluLeuAspCysProLeuGlyGluAspGluHisCysValLysSerPhe 94
Db 453 TGTGATGGCGTGTACACTGCCCCGGGGGAGGACGAGATCGGTGTGTTCGCTCTAC 512
QY 95 ProGluGlyProAlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeu 114
Db 513 -----GGACCA-----AACTTCATCCTTCAGATGTAC 539
QY 115 AspSerAlaThrGlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAla 134
Db 540 TCATCTCAGAGGAAGTCTCTGGCACCTGTGTGCCAAGACGACTGGAACGAGAACTACGGG 599
QY 135 GluThrAlaCysArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluLe 154
Db 600 CGGGCGGCTGCAGGACATGGGCTAT-----AAGATAAATTTTACTCTAGCCAA--- 650
QY 155 GlyProAspGlnAspLeuAspValValGluIleThrGluAsnSerGlnGluLeuArgMet 174
Db 651 -----GGATAGTGGATGACAGCGGATCCACCAGCTTTATGAAACTG 692
QY 175 ArgAsnSerSerGly-----ProCysLeu 182
Db 693 AACACAGTGGCGGCAATGTCGATATCTATAAAAACTGTACACAGTATGCTGTCT 752
QY 183 SerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSerLeu-----Lys 199
Db 753 TCAAAAGCAGTGGTTCTTTACGCTGTTTAGCCTGCGGGTCAACTTGAACCAAGCCGC 812
QY 200 ThrProArgValValGlyGluGluAlaSerValAspSerTrpProTrpGlnValSer 219
Db 813 CAGAGCAGGATCGTGGCGGTGAGAGCGCGCTCCCGGGGCGCTGCCCTGGCAGTCAGC 872
QY 220 IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu 239
Db 873 CTGCACGTCAGAACGTCCTCCACGTCGTGGAGGCTCCATCATCACCCCGAGTGGATCGTG 932
QY 240 ThrAlaAlaHisCysPheArgLysHis---ThrAspValPheAsnTrpLysValAla 258
Db 933 ACAGCCGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCATGGACGGCATTTGCG 992
QY 259 GlySerAspLysLeuGlySerPhe-----ProSerLeuAlaValAlaLysIle 274
Db 993 GGGATTTTGAGA---CAATCTTTTCATGTTCTATGGAGCCGGATACCAAGTACAAAAGTG 1049
QY 275 IleIleIleGluPheAsnProMetTyr-----ProLysAspAsnAspIleAlaLeu 291
Db 1050 ATT-----TCTCATCCAAATTATGACTCCAAGACCAAGAACAAATGACATTGGCGTG 1100
QY 292 MetLysLeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhe 311
Db 1101 ATGAAGCTGCAGAACCTCTGACTTTCAACGACCTAGTGAACACAGTGTCTGCCCAAC 1160
QY 312 PheAspGluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLys 331
Db 1161 CCAGGCATGATGCTGCAGCCAGAACAGCTCTGCTGGATTTCGGGTGGGGCCACCGAG 1220
QY 332 GlnAsnGlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSer 351
Db 1221 GAGAAA---GGGAAGACCTCAGAAGTGCTGAACGCTGCCAAGGTGCTTCTCATTTGAGACA 1277
QY 352 ThrArgCysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAla 371
Db 1278 CAGAGATGCAACAGCAGATATGTCTATGACAACTGATCACACCAGCCATGATCTGTGCC 1337
QY 372 GlyIleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyr 391
Db 1338 GGCTCTCTGCAGGGGAACGTGATCTTCCAGGGTGACAGTGGAGGGCTCTGGTCACT 1397
QY 392 GlnSerAspGln---TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGly 410
Db 1398 TCGAACAAACAATATCTGGTGGCTGATAGGGGATACAAAGCTGGGTTCTGGCTGTGCCAAA 1457
QY 411 ProSerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyrAsnVal 430
Db 1458 GCCTACAGACCAGGAGTGTTACGGGAATGTGATGGTATTACGGACTGGATTATCGACAA 1517
QY 431 TrpLysAla 433
Db 1518 ATGAAGGCA 1526
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Db	817	CTGCACGTC	CAGAACGTC	CACG	TGTGCGGAGG	CTCCAT	CATCACCCCGAGT	CGATCGTG	876			
Qy	240	ThrAla	AlaHis	CysPhe	ArgLys	His---	ThrAsp	ValPhe	AsnTrp	LysVal	ArgAla	258
Db	877	ACAGCGCC	CACTGCGT	GGAAAA	ACCTCT	TAA	CAATCC	ATGGCAT	TGGAC	GGCAT	TTCG	936
Qy	259	GlySer	AspLys	LeuGly	SerPhe	-----	ProSer	LeuAla	ValAla	LysIle	274	
Db	937	GGGATTT	TGAGA---	CAATCT	TTTCAT	GTTC	TATGG	AGCCGG	ATACCA	AGTAG	AAAAAGT	993
Qy	275	IleIle	IleGlu	PheAsn	ProMet	Tyr-----	ProLys	AspAsn	AspIle	AlaLeu	291	
Db	994	ATT-----	TC	CATCC	AAATT	TATG	ACTCCA	AGACCA	AGAAC	ATGAC	ATTGGGCTG	1044
Qy	292	MetLys	LeuGln	PhePhe	ProLeu	ThrPhe	SerGly	ThrVal	ArgPro	IleCys	LeuPro	311
Db	1045	ATGAAG	CTGC	AGAGCC	CTCTG	ACTTT	CAACG	ACCTAG	TGAA	ACCAGT	GTGTCTG	1104
Qy	312	PheAsp	GluGlu	LeuThr	ProAla	ThrPro	LeuTrp	IleIle	GlyTrp	GlyPhe	ThrLys	331
Db	1105	CCAGGC	ATGATG	TGCAG	CCAGAA	CAGCT	CTGCT	GGATT	TCGGGT	GGGGG	CCACCGAG	1164
Qy	332	GlnAsn	GlyGly	LysMet	SerAsp	IleLeu	LeuGln	AlaSer	ValGln	ValIle	AspSer	351
Db	1165	GAGAAA---	GGGA	AGACCT	CAGAA	GTGCTG	AACTG	CAACG	CTGGCA	AGGTGCTT	CTCAT	1221
Qy	352	ThrArg	CysAsn	Alaasp	AspAla	TyrGln	GlyGln	ValThr	GluLys	MetMet	CysAla	371
Db	1222	CAGAGAT	GCAAC	AGCAG	ATATGT	CTAT	GACA	ACCTG	ATCACC	AGCCAT	GATCTGT	1281
Qy	372	GlyIle	ProGlu	GlyGly	ValAsp	ThrCys	GlnGly	AspSer	GlyGly	ProLeu	MetTyr	391
Db	1282	GGCTT	CTGC	AGGGGA	ACGT	CGATTCT	TGCC	AGGGT	GACAGT	GGAGG	CCCTCTG	1341
Qy	392	GlnSer	AspGln---	TrpHis	ValVal	GlyIle	ValSer	TrpGly	TyrGly	CysGly	Gly	410
Db	1342	TCGAAGA	ACAATA	TATCTG	TGGCTG	ATAG	GGGAT	ACACAG	CTGGG	TTCTGG	CTGTGCC	1401
Qy	411	ProSer	ThrPro	GlyVal	TyrThr	LysVal	SerAla	TyrLys	LeuAsn	TrpIle	TyrAsn	430
Db	1402	GCTTAC	AGAC	CCAGG	AGTGTAC	GGGA	ATGTG	ATG	GTATTC	ACG	ACTGGATTT	1461
Qy	431	TrpLys	AlaGlu	434								
Db	1462	ATGAGG	GCAG	AC	1473							

RESULT 6

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US-09-691-840-1
; Sequence 1, Application US/09691840
; Patent No. 644419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1479
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1476)
; NAME/KEY: conflict

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Db      697 TCAAAAGCAGTGGTTCTTTACGCTGTATAGCCTGGGGGGTCAACTTGAACTCAGCCGC 756
QY      200 ThrProArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSer 219
Db      757 CAGAGCAGGATCGTGGCGCGGAGAGCGCGCTCCCGGGGGCTGGCCCTGGCAGGTCAGC 816
QY      220 IleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeu 239
Db      817 CTGCACGTCACAGAACGTCCACGTGTGGGAGGCTCCATCATCACCCCGAGTGGATCGTG 876
QY      240 ThrAlaAlaHisCysPheArgLysHis---ThrAspValPheAsnTrpLysValArgAla 258
Db      877 ACAGCGCGCCACTGCGTGGAAACCTCTTAACAATCCATGGCATTGGACGGCATTTGCG 936
QY      259 GlySerAspLysLeuGlySerPhe-----ProSerLeuAlaValAlaLysIle 274
Db      937 GGGATTTTGAGA---CAATCTTTTCATGTTCTATGGAGCCGGATACCAAGTAGAAAAAGTG 993
QY      275 IleIleIleGluPheAsnProMetTyr-----ProLysAspAsnAspIleAlaLeu 291
Db      994 ATT-----TCTCATCCAAATTAAGTACTCCAGACCAAGAACAAATGACATTGGCGTG 1044
QY      292 MetLysLeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhe 311
Db      1045 ATGAAGCTGCAGAAAGCCTCTGACTTTCAACGACCTAGTGAACCAAGTGTGTCTGCCCAAC 1104
QY      312 PheAspGluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLys 331
Db      1105 CCAGGCATGATGCTGCAGCCAGAACAGCTCTGCTGATTTCCGGGTGGGGGCCACCGAG 1164
QY      332 GlnAsnGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSer 351
Db      1165 GAGAAA---GGGAAGACCTCAGAAAGTGTGAACGCTGCCAAGGTGCTTCTCATTTGAGACA 1221
QY      352 ThrArgCysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAla 371
Db      1222 CAGAGATGCACACAGCAGATATGTCTATGACAACTGATCATCACCCAGCCATGATCTGTGCC 1281
QY      372 GlyIleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyr 391
Db      1282 GGCTTCCTGCAGGGGAACGTGCGATTCTTCCAGGGTGACATGGAGGGCCCTCTGGTCACT 1341
QY      392 GlnSerAspGln---TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGly 410
Db      1342 TCGAAGAACAATATCTGGTGGCTGATAGGGGATACAAGCTGGGTTCTGGCTGTGCCAAA 1401
QY      411 ProSerThrProGlyValTyrThrLysValSerAlaTyrIleuAsnTrpIleTyrAsnVal 430
Db      1402 GCTTACAGACCAGGAGTGTACGGGAATGTGATGTTATTCACGGAATGATTATTCGACAA 1461
QY      431 TrpLysAlaGlu 434
Db      1462 ATGAGGGCAGAC 1473
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RESULT 7

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US-09-518-046-1
; Sequence 1, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-518-046-1
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Alignment Scores:

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Pred. No.: 1.49e-60 Length: 2413
Score: 650.50 Matches: 157
Percent Similarity: 52.14% Conservative: 74
Best local Similarity: 35.44% Mismatches: 149
Query Match: 27.78% Indels: 63
DB: 3 Gaps: 18
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US-09-607-745-2 (1-435) x US-09-518-046-1 (1-2413)

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QY      22 IleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeuLeuSerLeu 41
Db      273 CTGCCATTGAAGTTTTCCTCAATCATCGTCAATGGGGATCATTCATTG----- 323
QY      42 AlaSerIleIleValValValLeuIleLysValIleLeuAsp-----LysTyr 58
Db      324 -----ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAAAGTAC 377
QY      59 -----TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeu 74
Db      378 AGATGTCGCTCATCCTTTAAGTGT-----ATCGAGCTGATACTCGA----- 419
QY      75 CysAspGlyGluLeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPhe 94
Db      420 TGTGACGGAGTCTCGGATTGCAAAAGACGGGAGGACGAGTACCCTGT----- 467
QY      95 ProGluGlyProAlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeu 114
Db      468 -----GTCCGGTGGTGGTGCAGAAATGCCGTGCTCCAGTGTTC 506
QY      115 AspSerAlaThrGlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAla 134
Db      507 ACAGCTGCT-----TCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTCACCTACGCA 560
QY      135 GluThrAlaCysArgGlnMetGlyTyrSerSer----- 145
Db      561 AATGTTGCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTCAGATAACCTCAGAGTG 620
QY      146 -----LysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAspVal 162
Db      621 AGCTCGCTGGAGGGGCAGTTCCTGGGAGGAGTTTGTTCATCGATCACCTCTTGGCAGAT 680
QY      163 ValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCysLeu 182
Db      681 GACAAGGTGACTGCATTACACCACTCAGTATATGTGAGGGAGGGA-----TGTGCC 731
QY      183 SerGlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSerLeuLysThrPro 201
Db      732 TCTGGCCACGTGGTTACCTTGCAGTGCACAGCCTGTGTTCATCAGCCCTGTGGATCATCTGCT 791
QY      202 ArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db      792 CGCATCGTGGTGGAAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAG 851
QY      222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db      852 TTCCAGGGCTACCACTGTGCGGGGGCTCTGTCTATCATCAGCCCTGTGGATCATCTGCT 911
QY      242 AlaHisCysPheArgLysHisThrAspValPhe-----AsnTrpLysValArgAla 258
Db      912 GCACACTGTGTT-----TATGACTTGTACCTCCCAAGTTCATGGACCATCCAGGTG 962
QY      259 GlySerAspLysLeu-----GlySerPheProSerLeuAlaValAlaLysIleIle 276
Db      963 GGTCTAGTTTCCCTGTTGGACAATCCAGCCCCATCCCACTTGGTGGAGAAAGATTGTC--- 1019
QY      277 IleGluPheAsnProMetTyr---ProLys-----AspAsnAspIleAlaLeuMetLys 293
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Db      1319 GATGAGGTGACGCCTCCCTGTCTCTGAACACCGCGCGTCCCTTTGTATTCCAAACAAG 1378
QY      353 ArgCysAsnAlaAspAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGly 372
Db      1379 ATCTGCAACACACAGGACGTGTACGGTGGCATCATCTCCCCCTCCATGTCTGCGCGGGC 1438
QY      373 IleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGln 392
Db      1439 TACTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGCGGGGGCCCTGGTGTGTCAA 1498
QY      393 SerAspGln---TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGlyPro 411
Db      1499 GAGAGGAGGTGTGGAAGTTAGTGGGAGCGACCAAGCTTTGGCATCGGCTGCCGAGAGGTG 1558
QY      412 SerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyrAsnValTrp 431
Db      1559 AACAAAGCCTGGGGTGTACACCGGTGTACCTCCTTCTGGACTGGATCCACGAGCAGATG 1618
QY      432 LysAlaGluLeu 435
Db      1619 GAGAGAGACCTA 1630

RESULT 9
US-09-261-416-1
; Sequence 1, Application US/09261416A
; Patent No. 6291663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
; TITLE OF INVENTION: Overexpressed in Ovarian Carcinoma
; FILE REFERENCE: D6192
; CURRENT APPLICATION NUMBER: US/09/261,416A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 1
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: 144..1511
; OTHER INFORMATION: CDS
US-09-261-416-1

Alignment Scores:
Pred. No.:      2,1e-57      Length:      2416
Score:          621.50      Matches:      158
Percent Similarity: 51.57%      Conservative: 72
Best Local Similarity: 35.43%      Mismatches:  150
Query Match:    26.54%      Indels:      66
DB:             3          Gaps:       18

US-09-607-745-2 (1-435) x US-09-261-416-1 (1-2416)
QY      22 IleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeuLeuSerLeu 41
Db      273 CTGCCATTGAAGTTTTTCCCAATCATCGTCAATTGGGGATCATTTGCATTG----- 323
QY      42 AlaSerIleIleValValValValLeuLysValIleLeuAsp-----LysTyr 58
Db      324 -----ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTAC. 377
QY      59 -----TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeu 74
Db      378 AGATGTCGCTCATCCTTTAAGTGT-----ATCGAGCTGATAACTCGA----- 419
QY      75 CysAspGlyGluLeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPhe 94
Db      420 TGTGACGGAGCTCGGATTGCAAAGACGGGAGGACGAGTACCGCTGT----- 467
QY      95 ProGluGlyProAlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeu 114

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Db      468 -----GTCCGGTGGTGGTCCAGATGCCGTGCTCCAGGTGTTTC 506
QY      115 AspSerAlaThrGlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAla 134
Db      507 ACAGCTGCT-----TCGTGAAGACCATGTGTCCGATGACTGGAAGGTCACACTACGCA 560
QY      135 GluThrAlaCysArgGlnMetGlyTyrSerSer----- 145
Db      561 AATGTTGCCTGTGCCCAACTGGTTTCCCAAGCTATGTAGTTCAGATAACCTCAGAGTG 620
QY      146 -----LysProThrPheArgAlaValGluIleGlyProAspGlnAspLeuAspVal 162
Db      621 AGCTCGCTGGAGGGGCGAGTTCGGGAGGAGTTGTGTCCATCGATCACTCTTGCCAGAT 680
QY      163 ValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGlyProCysLeu 182
Db      681 GACAAGGTGACTGCAATTACACCACTCAGTATATATGTAGGGAGGGA-----TGTGCC 731
QY      183 SerGlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSerLeuLysThrPro 201
Db      732 TCTGGCCACGTGTTTACCTTGCACTGCAGTGCACAGCCTGTGTCATAGAAGGGGCTACAGCTCA 791
QY      202 ArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGln 221
Db      792 CGCATCGTGGTGGAAACATGTCTTCTCTCGAGTGGCCCTGGCAGGCGCAGCCTTCAG 851
QY      222 TyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAla 241
Db      852 TTCCAGGGCTACCACCTGTGGGGGGCTCTGTCTATCAGCCCTGTGGATCATCATCTGCT 911
QY      242 AlaHisCysPheArgLysHisThrAspValPhe-----AsnTrpLysValArgAla 258
Db      912 GCACACTGTGTT-----TATGACTTGTACTCCCAAGTCAATGACCATCCAGGTG 962
QY      259 GlySerAspLysLeu-----GlySerPheProSerLeuAlaValAlaLysIleIle 276
Db      963 GGTCTAGTTTCCCTGTTGGACAATCCAGCCCATCCACTTGTGGTGGAGAAGATTGTT--- 1019
QY      277 IleGluPheAsnProMetTyr---ProLys-----AspAsnAspIleAlaLeuMetLys 293
Db      1020 -----TACCACAGCAAGTACAAGCCAAAGAGGTGGGCAATGACATCGCCCTTATGAAG 1073
QY      294 LeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhePheAsp 313
Db      1074 CTGCGCGGGCCACTCAGCTTCAATGAATGATCCAGCCTGTGTGCTGCCCACTCTGAA 1133
QY      314 GluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsn 333
Db      1134 GAGAACTTCCCGATGGAAAAGTGTGTGGACGTGAGGATGGGGGGCCACA---GAGGAT 1190
QY      334 GlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArg 353
Db      1191 GGAGGTGACGCTCCCTGTCTCTGAACCAACCGCGCGCTCCCTTTGATTTCCACAAAGAT 1250
QY      354 -CysAsnAlaAspAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyI 373
Db      1251 CTGCAACCAACAGGACGTGTACGGTGGCATCATCTCCCTCCATGTCTCTGCGCGGCTA 1310
QY      373 eProGluGlyValAspThr--CysGlnGlyAspSerGlyGlyProLeuMetTyrGln 392
Db      1311 CCTGACGGGTGGCGTTGGAACAGCTGCCAGGGGACAGCGGGGGCCCTGGTGTGTCAA 1370
QY      393 SerAspGln---TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGlyPro 411
Db      1371 GAGAGGAGGTGTGGAAGTTAGTGGGAGCGGACCAAGCTTTGGCATCGGCTCGCAGACGTG 1430
QY      412 SerThrProGlyValThrLysValSerAlaTyrLeuAsnTrpIleTyrAsnValTrp 431
Db      1431 AACAAAGCCTGGGGTGTACACCCGTGTCACTCCTCTCTGGACTGGATCCACGAGCAGATG 1490
QY      432 LysAlaGluLeu 435
Db      1491 GAGAGAGACCTA 1502

```

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RESULT 10
US-09-510-738A-188
; Sequence 188, Application US/09510738A
; Patent No. 6268165
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; TITLE OF INVENTION: Ovarian Cancer
; FILE REFERENCE: D6223CIP-A
; CURRENT APPLICATION NUMBER: US/09/510,738A
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 188
; SEQ ID NO 188
; LENGTH: 1783
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: full length cDNA of hepsin
US-09-510-738A-188

Alignment Scores:
Pred. No.: 1.36e-53 Length: 1783
Score: 584.50 Matches: 140
Percent Similarity: 45.05% Conservative: 60
Best Local Similarity: 31.53% Mismatches: 161
Query Match: 24.96% Indels: 83
DB: 3 Gaps: 11

US-09-607-745-2 (1-435) x US-09-510-738A-188 (1-1783)
QY 19 LysProArgIleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeu 38
Db 288 AGACCCAAAGTGGAGCTCTCACT-----GCGGGGACCCCTGCTACTTCTGACAGCC 338
QY 39 LeuSerLeuAlaSerIleIleValValValLeuIleLysValIleLeuAspLysTyr 58
Db 339 ATCGGGGCGGCATCTCTGGGCCATTGTGGCTGTCTCTCTCAGG----- 380
QY 59 TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGlu 78
Db 380 ----- 380
QY 79 LeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyPro 98
Db 381 -----AGTGACCAGGAG-----CCG 395
QY 99 AlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThr 118
Db 396 CTGTACCCAGTGCAGGTCACTCTCGGACGCTCGGCTCATGGTCTTTGACAAAGACGGAA 455
QY 119 GlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCys 138
Db 456 GGGACGTGGCGGCTGTGTCTCTCGGCTCCACGCCAGGAGGAGGAGGAGGAGGAGGAG 515
QY 139 ArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGln 158
Db 516 GAGGAGATGGGCTTC-----CTCAGGGCACTG-----ACCCACTCC 551
QY 159 AspLeuAspValValGluIleThrGluAsn----- 168
Db 552 GAGCTGGACGTGCGAACGGCGGGCGCCAAATGGACGTGGGCTTCTTCTGTGTGGACGAG 611
QY 169 -----SerGlnGluLeuArgMetArgAsnSerSerGlyProCysLeuSer 183
Db 612 GGGAGGCTGCCCCACACCCAGAGGCTGCTGGAGGTCATCTCCGTGTGATTGCCCCAGA 671
QY 184 GlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSerLeuLysThrProArg 202
Db 672 GGCCGTTTCTTGGCCGCCATCTGCCAAGACTGTGGCGCGCAGGAAGCTGCCCGGTGACCCG 731
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QY 203 ValValGlyGlyGluGluAlaSerValAspSerTrpTrpGlnValSerIleGlnTyr 222
Db 732 ATCGTGGAGGCGCGGACACACAGCTTGGCGCGTGGCGGCAAGTCAGCCTTCGCTAT 791
QY 223 AspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAlaAla 242
Db 792 GATGGAGCACACCTCTGTGGGGATCCCTGCTCTCCGGGACTGGGTGCTGACAGCGGCC 851
QY 243 HisCysPheArgLysHisThrAspValPheAsn---TrpLysValArgAlaGlySerAsp 261
Db 852 CACTGCTCCCGGAGCGGAACCGGGTCTGTCCCGATGGCGAGTGTTCGCGGTGCGTG 911
QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db 912 GCCCAGGCTCTCCCAAGGCTCTGAGTGGGGTGCAGGCTGTGGTCTACCCAGGGGGC 971
QY 282 MetTyrPro-----LysAspAsnAspIleAlaLeuMetLys 293
Db 972 TATCTTCCCTTTCGGGACCCCAACAGGAGGAGAAACAGCAAGATATTGCCCTGGTCCAC 1031
QY 294 LeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPheAsp 313
Db 1032 CTCTCCAGTCCCTGCCCTCACAGAATACATCCAGCTGTGTGCTCCAGTCCCGGC 1091
QY 314 GluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsn 333
Db 1092 CAGGCCCTGGTGGATGGCAAGATCTGTACCGTGACGGGTGGGGCAACACG---CAGTAC 1148
QY 334 GlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArg 353
Db 1149 TATGGCCAAACAGCGCGGGTACTCCAGGAGGCTCGAGTCCCATATATCAGCAATGATGTC 1208
QY 354 CysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIle 373
Db 1209 TGCAATGGCGCTGACTTCTATGGAACACAGATCAAGCCCAAGATGTTCTGTGTGGCTAC 1268
QY 374 ProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGln--- 392
Db 1269 CCCAGGGTGGCATTGATGCCTGCCAGGGCGACAGCGGTGGTCCCTTTGTGTGAGGAC 1328
QY 393 -----SerAspGlnTrpHisValValGlyIleValSerTrpGlyTyrGlyCys 408
Db 1329 AGCATCTCTCGGACGCCACGTTGGCGGCTGTGTGGCATTGTGAGTTGGGCACGTGGCTGT 1388
QY 409 GlyGlyProSerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyr 428
Db 1389 GCCCTGGCCAGAAAGCCAGGCGTCTACACCAAGTCAGTGAATCCGGGAGTGGATCTTC 1448
QY 429 AsnValTrpLys 432
Db 1449 CAGGCCATAAAG 1460

RESULT 11
US-09-861-966-188
; Sequence 188, Application US/09861966
; Patent No. 6518028
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; TITLE OF INVENTION: Ovarian Cancer
; FILE REFERENCE: D6223CIP-A/Div
; CURRENT APPLICATION NUMBER: US/09/861,966
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 09/510,738
; PRIOR FILING DATE: 2000-02-22
; NUMBER OF SEQ ID NOS: 188
; SEQ ID NO 188
; LENGTH: 1783
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: full length cDNA of hepsin
US-09-861-966-188
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Alignment Scores:

Pred. No.: 1.36e-53 Length: 1783
Score: 584.50 Matches: 140
Percent Similarity: 45.05% Conservative: 60
Best Local Similarity: 31.53% Mismatches: 161
Query Match: 24.96% Indels: 83
DB: 4 Gaps: 11

US-09-607-745-2 (1-435) x US-09-861-966-188 (1-1783)

QY 19 LysProArgIleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeu 38
Db 288 AGACCAAGGTGGCAGCTCTCACT-----GCGGGACCTGCTACTCTGACAGCC 338
QY 39 LeuSerLeuAlaSerIleIleValValValLeuIleLysValIleLeuAspLysTyr 58
Db 339 ATCGGGCGGCATCCTGGGCCATGTGGCTGTTCTCCTCAGG----- 380
QY 59 TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGlu 78
Db 380 ----- 380
QY 79 LeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyPro 98
Db 381 -----AGTGACCAGGAG-----CCG 395
QY 99 AlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThr 118
Db 396 CTGTACCCAGTGCAGGTCACTCTCGGACGCTCGGCTCATGGTCTTTGACAAGACGGAA 455
QY 119 GlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCys 138
Db 456 GGGACGTGGGGTGCTGTGCTCTCGCGCTCCAACGCCAGGGTAGCCGGACTCAGCTGC 515
QY 139 ArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGln 158
Db 516 GAGGAGATGGGCTTC-----CTCAGGGCACTG-----ACCCACTCC 551
QY 159 AspLeuAspValValGluIleThrGluAsn----- 168
Db 552 GAGCTGGACGTGCGAACGGCGGGCGCCAAATGGCACGTGGGCTTCTTCTGTGTGGACGAG 611
QY 169 -----SerGlnGluLeuArgMetArgAsnSerSerGlyProCysLeuSer 183
Db 612 GGGAGGTGCCCCACACCCAGAGGTGCTGGAGGTATCTCCGTGTGTGATGCCCCAGA 671
QY 184 GlySerLeuValSerLeuHisCysLeuAlaCysGly--LysSerLeuLysThrProArg 202
Db 672 GGCCGTTTCTTGCCCGCCATCTGCCAAGACTGTGGCCGCGAGGAAGCTGCCCGTGGACCGC 731
QY 203 ValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGlnTyr 222
Db 732 ATCGTGGAGCGCGGACACCCAGCTTGGCCGGTGGCCGTGGCAAGTCAGCCTTCGCTAT 791
QY 223 AspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAlaAla 242
Db 792 GATGGAGCACACCTCTGTGGGGATCCCTGCTCTCCGGGACTGGGTGCTGACAGCCGCC 851
QY 243 HisCysPheArgLysHisThrAspValPheAsn--TrpLysValArgAlaGlySerAsp 261
Db 852 CACTGTCTCCGGAGCGGAACCGGGTCTGTCCTCCGATGGCGAGTGTTCGCGTGGCGTG 911
QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleIleGluPheAsnPro 281
Db 912 GCCCAGGCCTCTCCCAACGGTCTGCAGCTGGGGTGCAGGTGGTGTCTACCAACGGGGC 971
QY 282 MetTyrPro-----LysAspAsnAspIleAlaLeuMetLys 293
Db 972 TATCTTCCCTTCGGGACCCCAACAGCGAGGAGAACAGCAACATATTGCCCTGGTCCAC 1031
QY 294 LeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPheAsp 313

Db 1032 CTCTCCAGTCCCTGCCCCCTCACAGATACATCCAGCCTGTGTGCTCCAGCTGCCGGC 1091
QY 314 GluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsn 333
Db 1092 CAGGCCCTGGTGGATGGCAAGATCTGTACCGTACGGCTGGGGCAACACG---CAGTAC 1148
QY 334 GlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArg 353
Db 1149 TATGGCCAACAGGCCGGGTACTCCAGGAGGCTCGAGTCCCCATATCAGCAATGATGTC 1208
QY 354 CysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIle 373
Db 1209 TCAATGGCGCTGACTTCTATGGAAACACAGATCAAGCCCAAGATGTTCTGTGCTGGCTAC 1268
QY 374 ProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGln--- 392
Db 1269 CCCGAGGTGGCATTCATGCTGCCAGGGCACAGCGGTGGTCCCTTTGTGTGTGAGGAC 1328
QY 393 -----SerAspGlnTrpHisValValGlyIleValSerTrpGlyTyrGlyCys 408
Db 1329 AGCATCTCTCGGACGCCACGTTGGCGGCTGTGTGGCATTGTGAGTTGGGGCACTGGCTGT 1388
QY 409 GlyGlyProSerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyr 428
Db 1389 GCCTTGGCCCCAGAGCCAGGGCTCTACACCAAGTCAGTGACTTCCGGGAGTGGATCTTC 1448
QY 429 AsnValTrpLys 432
Db 1449 CAGGCCATAAAG 1460
RESULT 12
US-09-742-703-3
; Sequence 3, Application US/09742703
; Patent No. 6423543
; GENERAL INFORMATION:
; APPLICANT: Patrick Allen Marcotte
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF HEPsin EXPRESSION
; FILE REFERENCE: RTS-0090
; CURRENT APPLICATION NUMBER: US/09/742,703
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 3
; LENGTH: 2363
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (826)..(2079)
US-09-742-703-3

Alignment Scores:

Pred. No.: 2.11e-53 Length: 2363
Score: 584.50 Matches: 140
Percent Similarity: 45.05% Conservative: 60
Best Local Similarity: 31.53% Mismatches: 161
Query Match: 24.96% Indels: 83
DB: 4 Gaps: 11

US-09-607-745-2 (1-435) x US-09-742-703-3 (1-2363)

QY 19 LysProArgIleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeu 38
Db 868 AGACCAAGGTGGCAGCTCTCACT-----GCGGGACCTGCTACTTCTGACAGCC 918
QY 39 LeuSerLeuAlaSerIleIleIleValValValLeuIleLysValIleLeuAspLysTyr 58
Db 919 ATCGGGCGGCATCCTGGGCCATGTGGCTGTTCTCCTCAGG----- 960
QY 59 TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGlu 78
Db 960 ----- 960

QY 79 LeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyPro 98
Db 961 -----AGTGACCAGGAG-----CCG 975

QY 99 AlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThr 118
Db 976 CTGTACCCAGTGCAGGTCAGCTCTCGGAGCGCTCGGCTCATGCTCTTTGACAAGACGGAA 1035

QY 119 GlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCys 138
Db 1036 GGGACGTGGCGGTGCTGTGCTCCTCGGCTCCAACGCCAGGAGTACCGGACTCAGCTGC 1095

QY 139 ArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGln 158
Db 1096 GAGGAGATGGGCTTC-----CTCAGGGCACTG-----ACCCACTCC 1131

QY 159 AspLeuAspValValGluIleThrGluAsn-----168
Db 1132 GAGCTGGACGTGCGAAACGGCGGGGCCAATGGCACGTGGGCTTCTTGTGTGGACGAG 1191

QY 169 -----SerGlnGluLeuArgMetArgAsnSerSerGlyProCysLeuSer 183
Db 1192 GGGAGGCTGCCACACCCAGAGGCTGTGGAGGTCTCTCGGTGATGTCGCCACAGA 1251

QY 184 GlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSerLeuLysThrProArg 202
Db 1252 GGCGGTTTCTTGGCGGCCATCTGCCAAGACTGTGGCCGCGCAGGAGCTGCCGTGGACCGC 1311

QY 203 ValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGlnValSerIleGlnTyr 222
Db 1312 ATCGTGGGAGGCGCGGACACCAGCTTGGCGCGGTGGCCGTGGCAAGTCAGCCTTCGCTAT 1371

QY 223 AspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrpValLeuThrAlaAla 242
Db 1372 GATGGAGCACACCTCTGTGGGGATCCCTGTCTCCGGGACTGGGTGCTGACAGCCGCC 1431

QY 243 HisCysPheArgLysHisThrAspValPheAsn---TrpLysValArgAlaGlySerAsp 261
Db 1432 CACTGCTTCCGGAGCGGAACCGGGTCTCTCCCGATGGCGAGTGTGTCGGTGCCGTG 1491

QY 262 LysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIleGluPheAsnPro 281
Db 1492 GCCCAGGCTCTCCCGACGGTCTGCAGCTGGGGGTGCAGGCTGTGTCTACCAACGGGGC 1551

QY 282 MetTyrPro-----LysAspAsnAspIleAlaLeuMetLys 293
Db 1552 TATCTTCCCTTTTCGGACCCCAACAGCGAGGAGAACAGCAACGATATGCCCTGTGCCAC 1611

QY 294 LeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhePheAsp 313
Db 1612 CTCTCCAGTCCCTGCCCCCTCACAGAATACATCAGCTGTGTGCTCCAGCTGCCGGC 1671

QY 314 GluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsn 333
Db 1672 CAGGCCCTGGTGGATGGCAAGATCTGTACCGTGCAGGGCTGGGGCAACACG---CAGTAC 1728

QY 334 GlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArg 353
Db 1729 TATGGCCAACAGGCCGGGTACTCCAGGAGGCTCGAGTCCCCCATAATCAGCAATGATGC 1788

QY 354 CysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIle 373
Db 1789 TGCAATGGCGCTGACTTCTATGGAAACCAAGATCAAGCCCAAGATGTCTGTGTGGCTAC 1848

QY 374 ProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGln--- 392
Db 1849 CCGAGGGTGGCATTGATGCTGCTGCCAGGGCAGCGGTGGTCCCTTGTGTGTGAGGAC 1908

QY 393 -----SerAspGlnTrpHisValValGlyIleValSerTrpGlyTyrGlyCys 408
Db 1909 AGCATCTCTCGACCGCCAGTGGCGGCTGTGTGGCATTTGTAGTTGGGCACCTGGCTGT 1968

QY 409 GlyGlyProSerThrProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIleTyr 428

Db 1969 GCCCTGGCCCAAGAGCCAGGGCTCTACACCAAGTCAGTACTTCCGGGAGTGATCTTC 2028

QY 429 AsnValTrpLys 432
Db 2029 CAGGCCATAAAG 2040

RESULT 13
US-09-820-002-1
; Sequence 1, Application US/09820002
; Patent No. 6482630
; GENERAL INFORMATION:
; APPLICANT: Gan, Weiniu
; APPLICANT: Ye, Jane
; APPLICANT: DiFrancesco, Valentina
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001194
; CURRENT APPLICATION NUMBER: US/09/820,002
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1615
; TYPE: DNA
; ORGANISM: HUMAN
US-09-820-002-1

Alignment Scores:
Pred. No.: 3.6e-53 Length: 1615
Score: 580.00 Matches: 132
Percent Similarity: 44.06% Conservative: 57
Best Local Similarity: 30.77% Mismatches: 146
Query Match: 24.77% Indels: 94
DB: 4 Gaps: 9

US-09-607-745-2 (1-435) x US-09-820-002-1 (1-1615)

QY 19 LysProArgIleProMetGluThrPheArgLysValGlyIleProIleIleAlaLeu 38
Db 220 AGACCCCAAGTGGCAGCTCTCACT-----GCGGGGACCTGCTACTTCTGACAGCC 270

QY 39 LeuSerLeuAlaSerIleIleIleValValValLeuIleLysValIleLeuAspLysTyr 58
Db 271 ATCGGGGGCGGCATCCTGGGCCATTGTGGCTGTCTCTCTCAGG-----312

QY 59 TyrPheLeuCysGlyGlnProLeuHisPheIleProArgLysGlnLeuCysAspGlyGlu 78
Db 312 -----312

QY 79 LeuAspCysProLeuGlyGluAspGluGluHisCysValLysSerPheProGluGlyPro 98
Db 313 -----AGTGACCAGGAG-----CCG 327

QY 99 AlaValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThr 118
Db 328 CTGTACCCAGTGCAGGTCAGCTCTGGGACGCTCGGCTCATGGTCTTTGACAAGACGGAA 387

QY 119 GlyAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCys 138
Db 388 GGGACGTGGCGGTGCTGTGTCTCTCGGCTCCAACGCCAGGGTAGCCGACTCAGCTGC 447

QY 139 ArgGlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGln 158
Db 448 GAGGAGATGGGCTTCTCTCAGT-----468

QY 159 AspLeuAspValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSer 178
Db 468 -----468

QY 179 GlyProCysLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSer 197

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Db 469 ---GATTGCCCCAGAGCGCGTTTCTTGGCCGCCCATCTGCCAAGACTGTGGCCGCAGGAAG 525
Qy 198 LeuLysThrProArgValValGlyGlyGluGluAlaSerValAspSerTrpProTrpGln 217
Db 526 CTGCCCGTGGACCGCATCTGTGGAGGCGCGGACACCAAGCTTGGGCGGTGGCCGTGGCAA 585
Qy 218 ValSerIleGlnTyrAspLysGlnHisValCysGlyGlySerIleLeuAspProHisTrp 237
Db 586 GTACAGCCTTCGCTATGATGGAGACACACCTCTGTGGGGGATCCCTGCTCTCCGGGACTGG 645
Qy 238 ValLeuThrAlaAlaHisCysPheArgLysHisThrAspValPheAsn---TrpLysVal 256
Db 646 GTGCTGACAGCGCGCCACTGCTTCCCGAGCGGAACCGGTCTCTGCCGATGGCGAGTG 705
Qy 257 ArgAlaGlySerAspLysLeuGlySerPheProSerLeuAlaValAlaLysIleIle 276
Db 706 TTTGCCGCTGCGGTGGCCAGGCCTCTCCCAACGGTCTGCAGCTGGGGTGCAGGCTGTG 765
Qy 277 IleGluPheAsnProMetTyrPro-----LysAspAsnAsp 288
Db 766 GTCTACACGGGGGCTATCTTCCCTTTCGGGACCCCAACAGCGAGGAGAACAGCAAGAT 825
Qy 289 IleAlaLeuMetLysLeuGlnPheProLeuThrPheSerGlyThrValArgProIleCys 308
Db 826 ATTGCCCTGGTCCACCTCTCCAGTCCCTGCCCTCACAGAATACATCCAGCCTGTGTGC 885
Qy 309 LeuProPhePheAspGluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGly 328
Db 886 CTCCAGCTGCCGGCCAGGCCTGGTGGATGGCAAGATCTGTACCGTGACGGGCTGGGC 945
Qy 329 PheThrLysGlnAsnGlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnVal 348
Db 946 AACACG---CAGTACTATGGCCCAACAGCGCGGGTACTCCAGGAGGCTCGAGTCCCCATA 1002
Qy 349 IleAspSerThrArgCysAsnAlaAspAspAlaTyrGlnGlyGluValThrGluLysMet 368
Db 1003 ATCAGCAATGATGTCTGCAATGGCGCTGACTTCTATGGAAACCATGATCAAGCCCAAGATG 1062
Qy 369 MetCysAlaGlyIleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyPro 388
Db 1063 TTCTGTGTGGCTACCCCGAGGGTGGCATTGATGCTGCCAGGGCGACACGGGTGGTCCC 1122
Qy 389 LeuMetTyrGln-----SerAspGlnTrpHisValValGlyIleValSer 403
Db 1123 TTTGTGTGTGAGGACAGCATCTCTCGGACGCCACGTTGGCGGCTGTGTGGCATTGTGAGT 1182
Qy 404 TrpGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSerAlaTyr 423
Db 1183 TGGGGCACTGGCTGTGCCCTGGCCAGAACCCAGAGCGGCTTACACCAAGTCAGTGACTTC 1242
Qy 424 LeuAsnTrpIleTyrAsnValTrpLys 432
Db 1243 CGGGAGTGGATCTTCCAGGCCATAAAG 1269
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RESULT 14

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US-09-000-846-1
; Sequence 1, Application US/09000846
; Patent No. 5981830
; GENERAL INFORMATION:
; APPLICANT: WU, QINGYU
; APPLICANT: SADLER, JASPER
; TITLE OF INVENTION: KNOCKOUT MICE AND THEIR PROGENY WITH
; TITLE OF INVENTION: DISRUPTED SERINE PROTEASE GENES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
; STREET: 2200 CLARENDON BLVD. SUITE 1400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: US
; ZIP: 22201
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,846
; FILING DATE: 30-DEC-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/866,058
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: LEBOVITZ, RICHARD M.
; REGISTRATION NUMBER: 37,067
; REFERENCE/DOCKET NUMBER: BERLX 65P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-243-6333
; TELEFAX: 703-243-6410
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1605 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 35..1282
US-09-000-846-1
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Alignment Scores:

Pred. No.:	5.88e-53	Length:	1605
Score:	578.00	Matches:	136
Percent Similarity:	47.43%	Conservative:	58
Best Local Similarity:	33.25%	Mismatches:	152
Query Match:	24.68%	Indels:	63
DB:	2	Gaps:	11

US-09-607-745-2 (1-435) x US-09-000-846-1 (1-1605)

Qy	62	CysGlyGlnProLeuHisPheIleProArgLysGln-----LeuCysAspGlyGluLeu	79
Db	97	TGTGGGTACCTGCT-----GTTCTGACAGGCATTGGGGCGCGCTCTGGGCCATTGT	150
Qy	80	AspCysProLeuGlyGlu-AspGluGluHisCysValLysSerPheProGluGlyProAl	99
Db	151	GACCATCTCTACTGCAGAGTGACCAGGAG-----CCACT	183
Qy	99	aValAlaValArgLeuSerLysAspArgSerThrLeuGlnValLeuAspSerAlaThrGl	119
Db	184	GTACCAAGTGCAGCTCAGTCCAGGGGACTCAGGCTTGGGTTGTTGACAAAGACGGAGGG	243
Qy	119	yAsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysAr	139
Db	244	AACGTGGAGGCTACTGTGCTCTCTCACGCTCCAATGCCAGGGTGGCAGGGCTCGGCTGTGA	303
Qy	139	gGlnMetGlyTyr-----	143
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Qy	144	-SerSerLysProThrPheArgAlaValGluIleGly-----ProAspGlnAs	159
Db	364	CAACGGCACATCGGCTTCTTTTGGTGGACGAGGGCGGACTCCGCTCTGGCTCAGAGGTT	423
Qy	159	pLeuAspValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsnSerSerGl	179
Db	424	GCTGGATGTCTCTGTATGTGAC-----	448
Qy	179	yProCysLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGly---LysSerLe	198


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Db 449 ----TGTCCTAGAGCCGCGATTCTCTGACTGCCACCTGCCAAGACTGTGGCCGAGAGCT 504
QY 198 uLysThrProArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGlnVa 218
Db 505 GCCGGTGGACCGCATGTGGGGGGCCAGGACAGCAGTCTGGGAAGGTGGCCGTGGCAGGT 564
QY 218 lSerIleGlnTyrAspLysGlnHisValCysGlySerIleLeuAspProHisTrpVa 238
Db 565 CAGCCTGCGTTATGATGGGACCCACCTCTGTGGGGGTCCCTGTCTGTGGGACTGGGT 624
QY 238 lLeuThrAlaAlaHisCysPheArgLysHisThrAspValPheAsn---TrpLysValAr 257
Db 625 GCTGACTGCTGCACATTGCTTTCCAGAGCGGAACCGGGTCTCTCGGTGGCGAGTATT 684
QY 257 gAlaGlySerAspLysLeuGlySerPheProSerLeuAlaValAlaLysIleIleIl 277
Db 685 TGCTGGTGTGTAGCCCGGACCTCACCCCATGCTGTGCAACTGGGGTTTCAGGCTGTGAT 744
QY 277 eGluPheAsnProMetTyrPro-----LysAspAsnAspIl 289
Db 745 CTATCATGGGGGTACCTTCCCTTTTCGAGACCCTACTATCGAAGAAACAGCATGACAT 804
QY 289 eAlaLeuMetLysLeuGlnPheProLeuThrPheSerGlyThrValArgProIleCysLe 309
Db 805 TGCCTTGGTCCACCTCTCTAGCTCCCTCGCCTCTCACAGATATCATCCAGCCAGTGTCT 864
QY 309 uProPhePheAspGluGluLeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPh 329
Db 865 CCCTGTCTGGGGACAGGCCCTTGGTGGATGGCAAGGTCTGTACTGTGACCGGTGGGGTAA 924
QY 329 eThrLysGlnAsnGlyGlyLysMetSerAspIleLeuLeuGlnAlaSerValGlnValIl 349
Db 925 CACA---CAGTTCTATGGCCACAGGCTATGGTGTCTCCAGAGGCCCGGTTCCCATCAT 981
QY 349 eAspSerThrArgCysAsnAlaAspAlaTyrGlnGlyGluValThrGluLysMetMe 369
Db 982 AAGCAACGAAGTTTGCAACAGCCCGACTTCTACGGGAATCAGATCAAGCCCAAGATGT 1041
QY 369 tCysAlaGlyIleProGluGlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLe 389
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QY 389 uMetTyrGln-----SerAspGlnTrpHisValValGlyIleValSerTr 404
Db 1102 TGTGTGTGAACAGACAGCATCTCTGGGACATCAAGGTGGCGGTATGTGGCATTGTAAGCTG 1161
QY 404 pGlyTyrGlyCysGlyGlyProSerThrProGlyValTyrThrLysValSerAlaTyrLe 424
Db 1162 GGGTACGGGTCTGTCTTTGGCCCGGAGCCAGGAGTGTACACCAAGTCACTGACTCCG 1221
QY 424 uAsnTrpIleTyrAsnValTrpLys 432
Db 1222 GGAGTGGATCTCAAGGCCATAAG 1246
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RESULT 15

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US-09-370-838-80
; Sequence 80, Application US/09370838
; Patent No. 644425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 80
; LENGTH: 1460
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-370-838-80

Alignment Scores:
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Score:          576.00      Matches:      145
Percent Similarity: 50.88%      Conservative: 86
Best Local Similarity: 31.94%      Mismatches: 161
Query Match:      24.59%      Indels:      62
DB:              4          Gaps:      16
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US-09-607-745-2 (1-435) x US-09-370-838-80 (1-1460)

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QY 5 SerAspGlnProLeuAsnSerLeuAspValLysProLeuArgLysProArgIleProMet 24
Db 19 GCAGAAAAAAGAACCTCTTCATTAAAGGATTAAATGTATAGGCCAGCAGTGTATA--ACT 75
QY 25 GluThrPheArgLysValGlyIleProIleIleIleAlaLeuLeuSerLeuAlaSerIle 44
Db 76 TCGACTTCAAGATTCTCTGAAT--CCATATGTAGTATGTTTCATTGTCTCGCAGGGGTA 132
QY 45 IleIleValValLeuIleLysValIleLeuAspLysTyrTyrPheLeuCysGlyGln 64
Db 133 GTGATCTCTGGCAGTCCCATAGCTCTACTTGT-----TACTTTTGTAGCTTTTGAT 183
QY 65 ProLeuHisPheIleProArgLys-----GlnLeuCysAspGlyGluLeuAspCysPro 82
Db 184 CAAAAATCTTACTTTTATAGGAGCAGTTTTCACACTCTCTAAATGTTGAATATAATAGTCAG 243
QY 83 Leu-----GlyGluAspGluGluHisCys 90
Db 244 TTAATTCACAGCTACACAGGAATACAGGACTTTGAGTGGAGAATGGAATCTCTGATT 303
QY 91 ValLysSerPheProGluGly-----ProAlaValAlaValArg 103
Db 304 ACTAAAAACATTCAAGAATCAAAATTTAAGAAATCAGTTCATCAGAGCTCATGTGCCAA 363
QY 104 LeuSerLysAsp-----ArgSerThrLeuGlnValLeuAspSerAlaThrGly 119
Db 364 CTGAGCCAAGATGGTAGTGTGAGAGCGGATGTTGTCATGAAATTTCAATTCACTAGA 423
QY 120 AsnTrpPheSerAlaCysPheAspAsnPheThrGluAlaLeuAlaGluThrAlaCysArg 139
Db 424 AATAACAATGGAGCATCAATG-----AAAAGCAGAAATTGAGTCTGTTTTACGA 471
QY 140 GlnMetGlyTyrSerSerLysProThrPheArgAlaValGluIleGlyProAspGlnAsp 159
Db 472 CAAATGCTGAATAACTCT-----GGAAACCTGGAATAAACCTT-----TCA 513
QY 160 LeuAspValValGluIleThrGluAsnSerGlnGluLeuArgMetArgAsn-----Ser 177
Db 514 ACTGAGATAACATCACTTACTGACCCAGGCTGCAGCAAAATGGCTTATTAAATGAATGTGG 573
QY 178 SerGlyProCysLeuSerGlySerLeuValSerLeuHisCysLeuAlaCysGlyLysSer 197
Db 574 GCCGGTCCAGACCTAATA-----ACA 594
QY 198 LeuLysThrProArgValValGlyGlyGluAlaSerValAspSerTrpProTrpGln 217
Db 595 TTGTCTGAGCAGAGATCTCTTGAGGCACTGAGGCTGAGGAGGAGGAGCTGGCCGTGGCAA 654
QY 218 ValSerIleGlnTyrAspLysGlnHisValCysGlySerIleLeuAspProHisTrp 237
Db 655 GTGAGTCTGGGCTCAATAATGCCACCACCTGTGGAGGCGAGCCTGATCAATAACATGTGG 714
QY 238 ValLeuThrAlaAlaHisCysPheArgLysHisThrAspValPheAsnTrpLysValArg 257
Db 715 ATCTGACAGCAGCTCACTGCTTCAGAAAGCAACTCTAATCCTCGTGAAGTTCGACG 774
QY 258 AlaGlySerAspLysLeuGlySerPheProSerLeu-----AlaValAlaLysIleIle 275
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Qy      296 PheProLeuThrPheSerGlyThrValArgProIleCysLeuProPhePheAspGluGlu 315
Db      889 AACAGTGTACACCTTTACCAAGATATCCATAGTGTGTCTCCCGCTGCTACCCAGAAT 948
Qy      316 LeuThrProAlaThrProLeuTrpIleIleGlyTrpGlyPheThrLysGlnAsnGlyGly 335
Db      949 ATTCCACCTGGCTCTACTGCTTATGTAAACAGGATGGGGCGCTCAAGAATATGCTGGCCAC 1008
Qy      336 LysMetSerAspIleLeuLeuGlnAlaSerValGlnValIleAspSerThrArgCysAsn 355
Db      1009 ACAGTTCAGAG---CTAAGGCAAGGACAGGTCAGAAATAATAAGTAATGATGTATGTAAT 1065
Qy      356 AlaAspAspAlaTyrGlnGlyGluValThrGluLysMetMetCysAlaGlyIleProGlu 375
Db      1066 GCACCCACATAGTTATAATGGAGCCCATCTTGTCTGGAATGCTGTGTGCTGGAGTACCTCAA 1125
Qy      376 GlyGlyValAspThrCysGlnGlyAspSerGlyGlyProLeuMetTyrGlnSerAspGln 395
Db      1126 GGTGGAGTGGACGCATGTTCAGGGTGACTCTGTGGGCCCACTAGTACAGAAGACTCACGG 1185
Qy      396 -----TrpHisValValGlyIleValSerTrpGlyTyrGlyCysGlyGlyProSerThr 413
Db      1186 CGGCTTTGGTTTATTGTGGGATAGTAAGCTGGGGAGATCAGTGTGGCCTGCCGGATAAG 1245
Qy      414 ProGlyValTyrThrLysValSerAlaTyrLeuAsnTrpIle 427
Db      1246 CCAGGAGTGATACTCGAGTGACAGCCCTACCTTGACTGGATT 1287
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 2, 2003, 02:15:49 ; Search time 324.904 Seconds
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246.943 Million cell updates/sec

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 18443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2338	99.8	435	12	US-10-180-719-6 Sequence 6, Appli
2	2337	99.8	437	9	US-09-851-588-8 Sequence 8, Appli
3	2319	99.0	437	11	US-09-776-191-4 Sequence 4, Appli
4	2297.5	98.1	432	11	US-09-888-257A-7 Sequence 7, Appli
5	2297.5	98.1	432	11	US-09-946-374-275 Sequence 275, App
6	2297.5	98.1	432	12	US-10-015-387A-275 Sequence 275, App
7	2297.5	98.1	432	12	US-10-063-735-112 Sequence 112, App
8	2297.5	98.1	432	12	US-10-006-130A-275 Sequence 275, App
9	2297.5	98.1	432	12	US-10-199-672-330 Sequence 330, App
10	2297.5	98.1	432	12	US-10-006-172A-275 Sequence 275, App
11	2297.5	98.1	432	12	US-10-187-749-330 Sequence 330, App
12	2297.5	98.1	432	12	US-10-194-457-330 Sequence 330, App
13	2297.5	98.1	432	12	US-10-184-642-330 Sequence 330, App
14	2297.5	98.1	432	12	US-10-196-747-330 Sequence 330, App
15	2297.5	98.1	432	12	US-10-015-392A-275 Sequence 275, App

16	2297.5	98.1	432	12	US-10-017-253A-275	Sequence 275, App
17	2297.5	98.1	432	12	US-10-173-689-330	Sequence 330, App
18	2297.5	98.1	432	12	US-10-173-690-330	Sequence 330, App
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27	2297.5	98.1	432	12	US-10-174-587-330	Sequence 330, App
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36	2297.5	98.1	432	12	US-10-175-754-330	Sequence 330, App
37	2297.5	98.1	432	12	US-10-176-480-330	Sequence 330, App
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39	2297.5	98.1	432	12	US-10-176-754-330	Sequence 330, App
40	2297.5	98.1	432	12	US-10-176-755-330	Sequence 330, App
41	2297.5	98.1	432	12	US-10-176-759-330	Sequence 330, App
42	2297.5	98.1	432	12	US-10-176-920-330	Sequence 330, App
43	2297.5	98.1	432	12	US-10-176-922-330	Sequence 330, App
44	2297.5	98.1	432	12	US-10-176-924-330	Sequence 330, App
45	2297.5	98.1	432	12	US-10-176-984-330	Sequence 330, App

ALIGNMENTS

RESULT 1

US-10-180-719-6
; Sequence 6, Application US/10180719
; Publication No. US20030166246A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Yue, Henry
; Guegler, Karl J.
; Corley, Neil C.
; Tang, Tom Y.
; Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/180,719
; FILING DATE: 25-Jun-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271
; FILING DATE: 16-Jan-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555

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; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 435 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; IMMEDIATE SOURCE:
;   LIBRARY: COLNNOT13
;   CLONE: 1337018
; SEQUENCE DESCRIPTION: SEQ ID NO: 6 :
US-10-180-719-6

Query Match          99.8%; Score 2338; DB 12; Length 435;
Best Local Similarity 99.8%; Pred. No. 5.3e-226;
Matches 434; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LCGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGN 120
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Db 121 WFSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGP 180
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Db 301 SGTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 360
QY 361 QGEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKV 420
Db 361 QGEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKV 420
QY 421 SAYLNWIYNVWKAEL 435
Db 421 SAYLNWIYNVWKAEL 435

RESULT 2
US-09-851-588-8
; Sequence 8, Application US/09851588
; Patent No. US20020042067A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt C.
; APPLICANT: Wilson, Keith E.
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; FILE REFERENCE: A-68829-1/DUB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/851,588
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/642,252
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/656,002
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Homo sapiens

Query Match          99.0%; Score 2319; DB 11; Length 437;
Best Local Similarity 100.0%; Pred. No. 6.7e-226;
Matches 434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 122 FSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
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QY 182 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 241
Db 184 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 243
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Db 304 GTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 363
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QY 422 AYLNWIYNVWKAEL 435
Db 424 AYLNWIYNVWKAEL 437

RESULT 3
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; Sequence 4, Application US/09776191
; Publication No. US20030119168A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Edgar O. Ong
; APPLICANT: Jiumn-Chern Yeh
; APPLICANT: Corvas International, Inc.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND
; TITLE OF INVENTION: METHODS BASED THEREON
; FILE REFERENCE: 24745-1607
; CURRENT APPLICATION NUMBER: US/09/776,191
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/213,124
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/234,840
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/179,982
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 60/183,542
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: 09/657,968
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-776-191-4

Query Match          99.0%; Score 2319; DB 11; Length 437;
Best Local Similarity 100.0%; Pred. No. 6.7e-226;
Matches 434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 61
Db 4 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 63
QY 62 CGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 183
QY 182 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 241
Db 184 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 243
QY 242 AHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 301
Db 244 AHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 303
QY 302 GTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 361
Db 304 GTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 363
QY 362 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKVS 421
Db 364 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKVS 423
QY 422 AYLNWIYNVWKAEL 435
Db 424 AYLNWIYNVWKAEL 437
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;
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 435 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; IMMEDIATE SOURCE:
;   LIBRARY: COLNNOT13
;   CLONE: 1337018
; SEQUENCE DESCRIPTION: SEQ ID NO: 6 :
US-10-180-719-6

Query Match          99.8%; Score 2338; DB 12; Length 435;
Best Local Similarity 99.8%; Pred. No. 5.3e-226;
Matches 434; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 60
Db 1 MDPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 60
QY 61 LCGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGN 120
Db 61 LCGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGN 120
QY 121 WFSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGP 180
Db 121 WFSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGP 180
QY 181 CLSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 240
Db 181 CLSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 240
QY 241 AAHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 300
Db 241 AAHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 300
QY 301 SGTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 360
Db 301 SGTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 360
QY 361 QGEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKV 420
Db 361 QGEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKV 420
QY 421 SAYLNWIYNVWKAEL 435
Db 421 SAYLNWIYNVWKAEL 435

RESULT 2
US-09-851-588-8
; Sequence 8, Application US/09851588
; Patent No. US20020042067A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David
; APPLICANT: Gish, Kurt C.
; APPLICANT: Wilson, Keith E.
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING COLORECTAL CANCER, COMPOSITIONS, AND
; FILE REFERENCE: A-68829-1/DUB/JJD/AMS
; CURRENT APPLICATION NUMBER: US/09/851,588
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/642,252
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/656,002
; PRIOR FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 437
; TYPE: PRT
; ORGANISM: Homo sapiens

Query Match          99.0%; Score 2319; DB 11; Length 437;
Best Local Similarity 100.0%; Pred. No. 6.7e-226;
Matches 434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 61
Db 4 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYF 63
QY 62 CGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDDEEHCVKSPFEGPAPAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 183
QY 182 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 241
Db 184 LSGSLVSLHCLACGSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 243
QY 242 AHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 301
Db 244 AHCFRKHTDVFNKVRAGSKLGSFPSPSLAVAKIIIEFNPMYPKNDIALMKLQFPLTF 303
QY 302 GTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 361
Db 304 GTVRPICLPFFDEELTPATPLWIIGWGFTKQGGKMSDILLQASVQVIDSTRCNADDAY 363
QY 362 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKVS 421
Db 364 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQHWVGVSVGWYCGGPGSTPGVYTKVS 423
QY 422 AYLNWIYNVWKAEL 435
Db 424 AYLNWIYNVWKAEL 437
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Db	4	DPDSQPLNSLDVKPLRKPRIPMETFRKVGIP	IIIIALLSLASIIIVVLIKVILDKYFL	63				
QY	62	CGQPLHFIPRKQLCDGELDCPLGDEDEHCVKSP	PEGPAAVRLSKDRSTLQVLD SATGNW	121				
Db	64	CGQPLHFIPRKQLCDGELDCPLGDEDEHCVKSP	PEGPAAVRLSKDRSTLQVLD SATGNW	123				
QY	122	FSACFDNFTTEALAEACRQMGGYSSKPTFRAVE	IGPDQDLVVETENSQELMRNSSGPC	181				
Db	124	FSACFDNFTTEALAEACRQMGGYSSKPTFRAVE	IGPDQDLVVETENSQELMRNSSGPC	183				
QY	182	LSGSLVSLHCLACGKSLKTPRVVGGEEASVDS	WPWQVSIQYDKQHVCGGSILDPHWLTA	241				
Db	184	LSGSLVSLHCLACGKSLKTPRVVGGEEASVDS	WPWQVSIQYDIQHVCGGSILDPHWLTA	243				
QY	242	AHCFRKHTDVFNWKVRAGSKLGSFPSPSLAVAK	IIIEFNPMYPKDNDAIALMKLQFPLTFS	301				
Db	244	AHCFRKHTDVFNWKVRAGSKLGSFPSPSLAVAK	IIIEFNPMYPKDNDAIALMKLQFPLTFS	303				
QY	302	GTVRPICLPFFDEELTPATPLWIIGWGFTKQNG	GKMSDILLQASVOVIDSTRCNADDAYQ	361				
Db	304	GTVRLICLPFFDEELTPATPLWIIGWGFTKQNG	GKMSDILLQASVOVIDSTRCNADDAYQ	363				
QY	362	GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSD	QHWVGVISWGYCGGPGSTPGVYTKVS	421				
Db	364	GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSD	QHWVGVISWGYCGGPGSTPGVYTKVS	423				
QY	422	AYLNWIYNVWKAEAL	435					
Db	424	AYLNWIYNVWKAEAL	437					

RESULT 4

US-09-888-257A-7

; Sequence 7, Application US/09888257A

; Publication No. US20030060612A1

; GENERAL INFORMATION:

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Polakis, Paul

; APPLICANT: Smith, Victoria

; APPLICANT: Wood, William I.

; APPLICANT: Wu, Thomas D.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND

; TITLE OF INVENTION: TREATMENT OF TUMOR

; FILE REFERENCE: P5002R1

; CURRENT APPLICATION NUMBER: US/09/888,257A

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/063,540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: US 60/089,653

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: US 60/099,792

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: US 60/103,678

; PRIOR FILING DATE: 1998-10-08

; PRIOR APPLICATION NUMBER: US 60/235,451

; PRIOR FILING DATE: 2000-09-26

; PRIOR APPLICATION NUMBER: PCT/US99/12252

; PRIOR FILING DATE: 1999-06-02

; PRIOR APPLICATION NUMBER: PCT/US99/20111

; PRIOR FILING DATE: 1999-09-01

; PRIOR APPLICATION NUMBER: PCT/US00/04342

; PRIOR FILING DATE: 2000-02-18

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: 2000-03-02

[illegible]

RESULT

US-09-946-374-275
; Sequence 275, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Pacini, Nicholas F.

; APPLICANT: ROY, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
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; PRIOR APPLICATION NUMBER: 60/099596
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; PRIOR APPLICATION NUMBER: 60/099808
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
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; PRIOR APPLICATION NUMBER: 60/102687
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; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/103258
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; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
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; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807

Query Match 98.1%; Score 2297.5; DB 11; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY 2 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPIIALLSLASIIIVVLIKVILDKYFL 61
Db 4 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPIIALLSLASIIIVVLIKVILDKYFL 63
QY 62 CGOPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGOPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTTEALAEATACROMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTTEALAEATACROMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178
QY 182 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238
QY 242 AHCFRKHTDVFNNKVRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 301
Db 239 AHCFRKHTDVFNNKVRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTTCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
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QY 422 AYLNWIYNVWKAE 435
Db 419 AYLNWIYNVWKAE 432

RESULT 7
US-10-063-735-112

RESULT 6
US-10-015-387A-275
; Sequence 275, Application US/10015387A
; Publication No. US20030135034A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C54
; CURRENT APPLICATION NUMBER: US/10/015,387A
; CURRENT FILING DATE: 2001-12-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 275
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-015-387A-275

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY 2 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPIIALLSLASIIIVVLIKVILDKYFL 61
Db 4 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPIIALLSLASIIIVVLIKVILDKYFL 63
QY 62 CGOPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGOPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTTEALAEATACROMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTTEALAEATACROMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178
QY 182 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238
QY 242 AHCFRKHTDVFNNKVRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 301
Db 239 AHCFRKHTDVFNNKVRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTTCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 359 GEVTEKMMCAGIPEGGVDTTCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418
QY 422 AYLNWIYNVWKAE 435
Db 419 AYLNWIYNVWKAE 432

RESULT 7
US-10-063-735-112

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; Sequence 112, Application US/10063735
; Publication No. US20030138882A1
; GENERAL INFORMATION:
; APPLICANT: Baton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2830P1C7
; CURRENT FILING DATE: 2002-03-19
; CURRENT APPLICATION NUMBER: US/10/006,130A
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 275
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-063-735-112
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Query Match      98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY 2 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVVLKIVLDKYFL 61
Db 4 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVVLKIVLDKYFL 63

QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 123

QY 122 FSACFDNFTEALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTEALAEATACRQMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178

QY 182 LSGSLVSLHCLACGKSLKTPRVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238

QY 242 AHCERKHTDVFNWVKRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 301
Db 239 AHCERKHTDVFNWVKRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 298

QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAVQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAVQ 358

QY 362 GEVTEKMCAGIPEGGVDTCQGS GGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 359 GEVTEKMCAGIPEGGVDTCQGS GGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418

QY 422 AYLNWIYNVWKAEL 435
Db 419 AYLNWIYNVWKAEL 432
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RESULT 8

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US-10-006-130A-275
; Sequence 275, Application US/10006130A
; Publication No. US20030148375A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
```

```
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C7
; CURRENT FILING DATE: 2002-03-19
; CURRENT APPLICATION NUMBER: US/10/006,130A
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 275
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-130A-275
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Query Match      98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY 2 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVVLKIVLDKYFL 61
Db 4 DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVVLKIVLDKYFL 63

QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 123

QY 122 FSACFDNFTEALAEATACRQMGYSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTEALAEATACRQMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178

QY 182 LSGSLVSLHCLACGKSLKTPRVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238

QY 242 AHCERKHTDVFNWVKRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 301
Db 239 AHCERKHTDVFNWVKRAGSKLGSFPPLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 298

QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAVQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAVQ 358

QY 362 GEVTEKMCAGIPEGGVDTCQGS GGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 359 GEVTEKMCAGIPEGGVDTCQGS GGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418

QY 422 AYLNWIYNVWKAEL 435
Db 419 AYLNWIYNVWKAEL 432
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RESULT 9

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US-10-199-672-330
; Sequence 330, Application US/10199672
; Publication No. US20030148442A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
```

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/199,672
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-672-330

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY	2	DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLDDKYFL	61
Db	4	DPDSQPLNSLDVVKPLRKPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLDDKYFL	63
QY	62	CGQPLHFIPRKQLCDGELDCPLGEDEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNW	121
Db	64	CGQPLHFIPRKQLCDGELDCPLGEDEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNW	123
QY	122	FSACFDNFTEALAEATACROMGYSSKPTFRAVEIGPDQDLDVVVEITENSQELMRNMSGPC	181
Db	124	FSACFDNFTEALAEATACROMGYS-----RAVEIGPDQDLDVVVEITENSQELMRNMSGPC	178
QY	182	LSGSLVSLHCLACGKSLKTPRVVGGEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA	241
Db	179	LSGSLVSLHCLACGKSLKTPRVVGGEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA	238
QY	242	AHCFRKHTDVFNWVKVRAGSKLGSFPFLAVAKIIIEFNPMYPKDNDIALMKLQFLTFS	301
Db	239	AHCFRKHTDVFNWVKVRAGSKLGSFPFLAVAKIIIEFNPMYPKDNDIALMKLQFLTFS	298
QY	302	GTVRPICLPFFDELTPTATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQ	361
Db	299	GTVRPICLPFFDELTPTATPLWIIIGWFTKQNGKMSDILLQASVQVIDSTRCNADDAYQ	358
QY	362	GEVTEKMCAGIPEGGVDTTCQDSDGGPLMVQSDQWHVVGVISWGYCGGPGSTPGVYTKVS	421
Db	359	GEVTEKMCAGIPEGGVDTTCQDSDGGPLMVQSDQWHVVGVISWGYCGGPGSTPGVYTKVS	418
QY	422	AYLNWIYNVWKAEL	435
Db	419	AYLNWIYNVWKAEL	432

RESULT 10
US-10-006-172A-275

; Sequence 275, Application US/10006172A
; Publication No. US20030153000A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C11
; CURRENT APPLICATION NUMBER: US/10/006,172A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
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; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
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; PRIOR FILING DATE: 1998-09-10
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; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
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; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100584
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
; PRIOR APPLICATION NUMBER: 60/100661

1	PRIOR FILING DATE: 1998-09-16	
2	PRIOR APPLICATION NUMBER: 60/100662	
3	PRIOR FILING DATE: 1998-09-16	
4	PRIOR APPLICATION NUMBER: 60/100664	
5	PRIOR FILING DATE: 1998-09-16	
6	PRIOR APPLICATION NUMBER: 60/100683	
7	PRIOR FILING DATE: 1998-09-17	
8	PRIOR APPLICATION NUMBER: 60/100684	
9	PRIOR FILING DATE: 1998-09-17	
10	PRIOR APPLICATION NUMBER: 60/100710	
11	PRIOR FILING DATE: 1998-09-17	
12	PRIOR APPLICATION NUMBER: 60/100711	
13	PRIOR FILING DATE: 1998-09-17	
14	PRIOR APPLICATION NUMBER: 60/100848	
15	PRIOR FILING DATE: 1998-09-18	
16	PRIOR APPLICATION NUMBER: 60/100849	
17	PRIOR FILING DATE: 1998-09-18	
18	PRIOR APPLICATION NUMBER: 60/100919	
19	PRIOR FILING DATE: 1998-09-17	
20	PRIOR APPLICATION NUMBER: 60/100930	
21	PRIOR FILING DATE: 1998-09-17	
22	PRIOR APPLICATION NUMBER: 60/101014	
23	PRIOR FILING DATE: 1998-09-18	
24	PRIOR APPLICATION NUMBER: 60/101068	
25	PRIOR FILING DATE: 1998-09-18	
26	PRIOR APPLICATION NUMBER: 60/101071	
27	PRIOR FILING DATE: 1998-09-18	
28	PRIOR APPLICATION NUMBER: 60/101279	
29	PRIOR FILING DATE: 1998-09-22	
30	PRIOR APPLICATION NUMBER: 60/101471	
31	PRIOR FILING DATE: 1998-09-23	
32	PRIOR APPLICATION NUMBER: 60/101472	
33	PRIOR FILING DATE: 1998-09-23	
34	PRIOR APPLICATION NUMBER: 60/101474	
35	PRIOR FILING DATE: 1998-09-23	
36	PRIOR APPLICATION NUMBER: 60/101475	
37	PRIOR FILING DATE: 1998-09-23	
38	PRIOR APPLICATION NUMBER: 60/101476	
39	PRIOR FILING DATE: 1998-09-23	
40	PRIOR APPLICATION NUMBER: 60/101477	
41	PRIOR FILING DATE: 1998-09-23	
42	PRIOR APPLICATION NUMBER: 60/101479	
43	PRIOR FILING DATE: 1998-09-23	
44	PRIOR APPLICATION NUMBER: 60/101738	
45	PRIOR FILING DATE: 1998-09-24	
46	PRIOR APPLICATION NUMBER: 60/101741	
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48	PRIOR APPLICATION NUMBER: 60/101743	
49	PRIOR FILING DATE: 1998-09-24	
50	PRIOR APPLICATION NUMBER: 60/101915	
51	PRIOR FILING DATE: 1998-09-24	
52	PRIOR APPLICATION NUMBER: 60/101916	
53	PRIOR FILING DATE: 1998-09-24	
54	PRIOR APPLICATION NUMBER: 60/102207	
55	PRIOR FILING DATE: 1998-09-29	
56	PRIOR APPLICATION NUMBER: 60/102240	
57	PRIOR FILING DATE: 1998-09-29	
58	PRIOR APPLICATION NUMBER: 60/102307	
59	PRIOR FILING DATE: 1998-09-29	
60	PRIOR APPLICATION NUMBER: 60/102330	
61	PRIOR FILING DATE: 1998-09-29	
62	PRIOR APPLICATION NUMBER: 60/102331	
63	PRIOR FILING DATE: 1998-09-29	
64	PRIOR APPLICATION NUMBER: 60/102484	
65	PRIOR FILING DATE: 1998-09-30	
66	PRIOR APPLICATION NUMBER: 60/102487	
67	PRIOR FILING DATE: 1998-09-30	
68	PRIOR APPLICATION NUMBER: 60/102570	
69	PRIOR FILING DATE: 1998-09-30	
70	PRIOR APPLICATION NUMBER: 60/102571	
71	PRIOR FILING DATE: 1998-09-30	
72	PRIOR APPLICATION NUMBER: 60/102684	
73	PRIOR FILING DATE: 1998-10-01	

;	PRIOR APPLICATION NUMBER: 60/102687
;	PRIOR FILING DATE: 1998-10-01
;	PRIOR APPLICATION NUMBER: 60/102965
;	PRIOR FILING DATE: 1998-10-02
;	PRIOR APPLICATION NUMBER: 60/103258
;	PRIOR FILING DATE: 1998-10-06
;	PRIOR APPLICATION NUMBER: 60/103314
;	PRIOR FILING DATE: 1998-10-07
;	PRIOR APPLICATION NUMBER: 60/103315
;	PRIOR FILING DATE: 1998-10-07
;	PRIOR APPLICATION NUMBER: 60/103328
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;	PRIOR APPLICATION NUMBER: 60/103395
;	PRIOR FILING DATE: 1998-10-07
;	PRIOR APPLICATION NUMBER: 60/103396
;	PRIOR FILING DATE: 1998-10-07
;	PRIOR APPLICATION NUMBER: 60/103401
;	PRIOR FILING DATE: 1998-10-07
;	PRIOR APPLICATION NUMBER: 60/103449
;	PRIOR FILING DATE: 1998-10-06
;	PRIOR APPLICATION NUMBER: 60/103633
;	PRIOR FILING DATE: 1998-10-08
;	PRIOR APPLICATION NUMBER: 60/103678
;	PRIOR FILING DATE: 1998-10-08
;	PRIOR APPLICATION NUMBER: 60/103679
;	PRIOR FILING DATE: 1998-10-08
;	PRIOR APPLICATION NUMBER: 60/103711
;	PRIOR FILING DATE: 1998-10-08
;	PRIOR APPLICATION NUMBER: 60/104257
;	PRIOR FILING DATE: 1998-10-14
;	PRIOR APPLICATION NUMBER: 60/104987
;	PRIOR FILING DATE: 1998-10-20
;	PRIOR APPLICATION NUMBER: 60/105000
;	PRIOR FILING DATE: 1998-10-20
;	PRIOR APPLICATION NUMBER: 60/105002
;	PRIOR FILING DATE: 1998-10-20
;	PRIOR APPLICATION NUMBER: 60/105104
;	PRIOR FILING DATE: 1998-10-21
;	PRIOR APPLICATION NUMBER: 60/105169
;	PRIOR FILING DATE: 1998-10-22
;	PRIOR APPLICATION NUMBER: 60/105266
;	PRIOR FILING DATE: 1998-10-22
;	PRIOR APPLICATION NUMBER: 60/105693
;	PRIOR FILING DATE: 1998-10-26
;	PRIOR APPLICATION NUMBER: 60/105694
;	PRIOR FILING DATE: 1998-10-26
;	PRIOR APPLICATION NUMBER: 60/105807
;	PRIOR FILING DATE: 1998-10-27
;	PRIOR APPLICATION NUMBER: 60/105881
;	PRIOR FILING DATE: 1998-10-27
;	PRIOR APPLICATION NUMBER: 60/105882
;	PRIOR FILING DATE: 1998-10-27
;	PRIOR APPLICATION NUMBER: 60/106023
;	PRIOR FILING DATE: 1998-10-28

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5;

[illegible]

Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGGSILDPHWVLT 238
QY 242 AHCFRKHTDVFNWKVRAGSKLGSPPSLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFS 301
Db 239 AHCFRKHTDVFNWKVRAGSKLGSFPLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTCCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 359 GEVTEKMMCAGIPEGGVDTCCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418
QY 422 AYLNWIYNVWKAEL 435
Db 419 AYLNWIYNVWKAEL 432

RESULT 11
US-10-187-749-330
; Sequence 330, Application US/10187749
; Publication No. US20030153036A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/187,749
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-749-330

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;
QY 2 DPDSQPLNSLDVKPLRKPRIPMETFRKVGIPIIALLSLASIIIVWLKIVLDKYYFL 61

Db 4 DPDSQPLNSLDVKPLRKPRIPMETFRKVGIPIIALLSLASIIIVWLKIVLDKYYFL 63
QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFPEGPAVAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTEALAEACROMGYSSKPTTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTEALAEACROMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178
QY 182 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGGSILDPHWVLT 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGGSILDPHWVLT 238
QY 242 AHCFRKHTDVFNWKVRAGSKLGSFPLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFS 301
Db 239 AHCFRKHTDVFNWKVRAGSKLGSFPLAVAKIIIIIEFNPMYPKNDIALMKLQFPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTCCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 359 GEVTEKMMCAGIPEGGVDTCCQDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418
QY 422 AYLNWIYNVWKAEL 435
Db 419 AYLNWIYNVWKAEL 432

RESULT 12
US-10-194-457-330
; Sequence 330, Application US/10194457
; Publication No. US20030153037A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C296
; CURRENT APPLICATION NUMBER: US/10/194,457
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-457-330

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;
QY 2 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 61
Db 4 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 63
QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTALAEACROMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTALAEACROMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178
QY 182 LSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238
QY 242 AHCERKHTDVFNWKVRAGSKLGSFSPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 301
Db 239 AHCERKHTDVFNWKVRAGSKLGSFSPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTCCQSDSGGPLYMQSDQWHVVGIVSWGCGGPSTPGVYTKVS 421
Db 359 GEVTEKMMCAGIPEGGVDTCCQSDSGGPLYMQSDQWHVVGIVSWGCGGPSTPGVYTKVS 418
QY 422 AYLNWIYNVWKAE 435
Db 419 AYLNWIYNVWKAE 432

RESULT 13
US-10-184-642-330
; Sequence 330, Application US/10184642
; Publication No. US20030157635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC194
; CURRENT APPLICATION NUMBER: US/10/184,642
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-642-330

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;
QY 2 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 61
Db 4 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 63
QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 121
Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 123
QY 122 FSACFDNFTALAEACROMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRNSSGPC 181
Db 124 FSACFDNFTALAEACROMGYS-----RAVEIGPDQDLDVVEITENSQELMRNSSGPC 178
QY 182 LSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 241
Db 179 LSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTA 238
QY 242 AHCERKHTDVFNWKVRAGSKLGSFSPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 301
Db 239 AHCERKHTDVFNWKVRAGSKLGSFSPSLAVAKIIIEFNPMYPKNDIALMKLOFPLTFS 298
QY 302 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAYQ 361
Db 299 GTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLOASVQVIDSTRCNADDAYQ 358
QY 362 GEVTEKMMCAGIPEGGVDTCCQSDSGGPLYMQSDQWHVVGIVSWGCGGPSTPGVYTKVS 421
Db 359 GEVTEKMMCAGIPEGGVDTCCQSDSGGPLYMQSDQWHVVGIVSWGCGGPSTPGVYTKVS 418
QY 422 AYLNWIYNVWKAE 435
Db 419 AYLNWIYNVWKAE 432

RESULT 14
US-10-196-747-330
; Sequence 330, Application US/10196747
; Publication No. US20030162250A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC346
; CURRENT APPLICATION NUMBER: US/10/196,747
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 330
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-747-330

Query Match 98.1%; Score 2297.5; DB 12; Length 432;
Best Local Similarity 98.8%; Pred. No. 6.1e-222;
Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;
QY 2 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 61
Db 4 DPDSQPLNSLDVKPLRKPRIIPMETFRKVGIPPIIIALLSLASIIIVVLIKVLIDKYFL 63

Db 4 DPDSOPLNSLDVKPLRKPRIPMETFRKVGIPIIIIALLSLASIIIVVVLKIVLDKYYFL 63

QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 121

Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 123

QY 122 FSACFDNFTTEALAEATACRQMGYSKPTFRAVEIGPDQDLVDVEITENSQELMRNSSGPC 181

Db 124 FSACFDNFTTEALAEATACRQMGYS-----RAVEIGPDQDLVDVEITENSQELMRNSSGPC 178

QY 182 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGSILDPHVLTA 241

Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGSILDPHVLTA 238

QY 242 AHCERKHTDVFNWKVRAGSDKLGSPFSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 301

Db 239 AHCERKHTDVFNWKVRAGSDKLGSPFSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 298

QY 302 GTVRPICLPFFDEELTPATPLMIIGWGFTKQNGKMSDILLQASVQVIDSTRCNAD DAYQ 361

Db 299 GTVRPICLPFFDEELTPATPLMIIGWGFTKQNGKMSDILLQASVQVIDSTRCNAD DAYQ 358

QY 362 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421

Db 359 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418

QY 422 AYLNWIYNVWKAE 435

Db 419 AYLNWIYNVWKAE 432

RESULT 15

US-10-015-392A-275

; Sequence 275, Application US/10015392A

; Publication No. US20030166901A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan I.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C58

; CURRENT APPLICATION NUMBER: US/10/015,392A

; CURRENT FILING DATE: 2001-12-12

; PRIOR APPLICATION NUMBER: 60/098716

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098723

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098749

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098750

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098803

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/098821

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/098843

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/099536

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: 60/099596

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: 60/099598

; PRIOR FILING DATE: 1998-09-09

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 275

; LENGTH: 432

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-015-392A-275

Query Match 98.1%; Score 2297.5; DB 12; Length 432;

Best Local Similarity 98.8%; Pred. No. 6.1e-222;

Matches 429; Conservative 0; Mismatches 0; Indels 5; Gaps 1;

QY 2 DPDSOPLNSLDVKPLRKPRIPMETFRKVGIPIIIIALLSLASIIIVVVLKIVLDKYYFL 61

Db 4 DPDSOPLNSLDVKPLRKPRIPMETFRKVGIPIIIIALLSLASIIIVVVLKIVLDKYYFL 63

QY 62 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 121

Db 64 CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNW 123

QY 122 FSACFDNFTTEALAEATACRQMGYSKPTFRAVEIGPDQDLVDVEITENSQELMRNSSGPC 181

Db 124 FSACFDNFTTEALAEATACRQMGYS-----RAVEIGPDQDLVDVEITENSQELMRNSSGPC 178

QY 182 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGSILDPHVLTA 241

Db 179 LSGSLVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCVCGSILDPHVLTA 238

QY 242 AHCERKHTDVFNWKVRAGSDKLGSPFSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 301

Db 239 AHCERKHTDVFNWKVRAGSDKLGSPFSLAVAKIIIEFNPMYPKNDIALMKLOPPLTFS 298

QY 302 GTVRPICLPFFDEELTPATPLMIIGWGFTKQNGKMSDILLQASVQVIDSTRCNAD DAYQ 361

Db 299 GTVRPICLPFFDEELTPATPLMIIGWGFTKQNGKMSDILLQASVQVIDSTRCNAD DAYQ 358

QY 362 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 421

Db 359 GEVTEKMMCAGIPEGGVDTCCGDSGGPLMYQSDQWHVVGVISWGYCGGPGSTPGVYTKVS 418

QY 422 AYLNWIYNVWKAE 435

Db 419 AYLNWIYNVWKAE 432

Search completed: December 2, 2003, 02:51:18

Job time : 325.904 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 2, 2003, 00:14:04 ; Search time 31.7125 Seconds
(without alignments)
580.377 Million cell updates/sec

Title: US-09-607-745-2
Perfect score: 2342
Sequence: 1 MDPDSQPLNSLDVKPLRKP.....VYTKVSAYLNWIYVWKAEI 435

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	2338	99.8	435	3	US-09-008-271A-6
2	2196	93.8	423	4	US-09-556-002-2
3	676.5	28.9	492	3	US-09-342-749-2
4	676.5	28.9	492	4	US-09-691-840-2
5	655.5	28.0	454	3	US-09-518-046-2
6	588.5	25.1	417	4	US-09-820-002-4
7	584	24.9	455	3	US-09-261-416-2
8	580	24.8	376	4	US-09-820-002-2
9	574	24.5	416	2	US-09-000-846-2
10	571	24.4	798	1	US-08-200-900A-2
11	571	24.4	798	5	PCT-US94-00616-2
12	568	24.3	418	1	US-08-508-448C-25
13	568	24.3	418	4	US-09-370-838-82
14	568	24.3	418	4	US-09-370-838-83
15	566	24.2	418	4	US-09-370-838-62
16	558.5	23.8	283	3	US-08-807-151-1
17	558.5	23.8	283	4	US-09-478-957-1
18	531.5	22.7	232	1	US-08-508-448C-19
19	512.5	21.9	256	2	US-09-027-337-3
20	512.5	21.9	256	4	US-09-644-600-3
21	511	21.8	638	2	US-08-681-151-3
22	507.5	21.7	255	3	US-08-944-483-67
23	503.5	21.5	285	4	US-09-023-942A-26
24	486	20.8	248	3	US-08-944-483-63
25	483	20.6	314	4	US-09-023-942A-6
26	482.5	20.6	284	4	US-09-387-375-7
27	478	20.4	314	3	US-09-008-271A-6

28	477	20.4	312	4	US-09-023-942A-4	Sequence 4, Appli
29	475	20.3	407	4	US-09-734-675-4	Sequence 4, Appli
30	472.5	20.2	317	4	US-09-386-629-7	Sequence 7, Appli
31	470	20.1	902	4	US-09-644-600-10	Sequence 10, Appli
32	467.5	20.0	290	4	US-09-386-653A-7	Sequence 7, Appli
33	466.5	19.9	405	4	US-09-734-675-2	Sequence 2, Appli
34	465.5	19.9	250	3	US-08-944-483-68	Sequence 68, Appli
35	463	19.8	855	2	US-09-027-337-2	Sequence 2, Appli
36	463	19.8	855	4	US-09-644-600-2	Sequence 2, Appli
37	458.5	19.6	316	4	US-09-387-375-9	Sequence 9, Appli
38	458.5	19.6	790	4	US-08-991-761A-13	Sequence 13, Appli
39	455.5	19.4	812	1	US-08-248-629A-1	Sequence 1, Appli
40	455.5	19.4	812	1	US-08-451-932-1	Sequence 1, Appli
41	455.5	19.4	812	1	US-08-452-260-1	Sequence 1, Appli
42	455.5	19.4	812	1	US-08-326-785-1	Sequence 1, Appli
43	455.5	19.4	812	2	US-08-612-788-1	Sequence 1, Appli
44	455.5	19.4	812	2	US-08-605-598B-1	Sequence 1, Appli
45	455.5	19.4	812	2	US-08-429-743-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-008-271A-6
; Sequence 6, Application US/09008271A
; Patent No. 6203979
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Yue, Henry
; Guegler, Karl J.
; Corley, Neil C.
; Tang, Tom Y.
; Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271A
; FILING DATE: 16-Jan-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 435 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT13
; CLONE: 1337018
; SEQUENCE DESCRIPTION: SEQ ID NO: 6 :
US-09-008-271A-6

Db 408 QRCNSRYVDNLITPAMICAGFLQGNVDSQDGGPLVTSKNNIWWLIGDTSWGSGCAK 467
QY 411 PSTPGVYTKVSAYLNWIYNVWKA 434
Db 468 AYRPGVYGNVMVFTDWIYRQMRAD 491

RESULT 4
US-09-691-840-2
; Sequence 2, Application US/09691840
; Patent No. 6444419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-691-840-2

Query Match 28.9%; Score 676.5; DB 4; Length 492;
Best Local Similarity 39.1%; Pred. No. 1.2e-60;
Matches 150; Conservative 57; Mismatches 128; Indels 49; Gaps 13;
QY 75 CDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALA 134
Db 133 CDGVSHCPGGEDENRCVRLY--GP-----NFILQVYSSQRKSWHPVCQDDWNNENYG 181
QY 135 ETACRQMGYSKPTFRAVEIGPDQDLVDVEITENSQELMRNSSG-----PCL 182
Db 182 RAACRDMGY--KNNFYSSQ-----GIVDSSGSTSFMKLNTSAGNVDIYKLYHSDACS 232
QY 183 SGSLVSLHCLACGKSL---KTPRVVGGEASVDSWPWQVSIQYDKQHVCGGSILDPHWVL 239
Db 233 SKAVVSLRCIACGVNLSSRQSRIVGGESALPGAWPQVSLHVQNVHVCGGSIITPEWIV 292
QY 240 TAAHCFRKH-TDVFNNKVRAGSKLGSF-----PSLAVAKIIIIIEFNPY---PKNDIAL 291
Db 293 TAAHCFVEKPLNPNMHWTAFAGILR-QSFMFYGAGYQVEKVI---SHPNYDSKTKNDIAL 348
QY 292 MKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWFTKQNGKMSDILLQASVQVIDS 351
Db 349 MKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCWISGWGATEEK-GKTSEVLNAKVLIIET 407
QY 352 TRCNADDAYQGEVTEKMMKAGIPEGGVDTCCQDSSGGPLMYQSDQ-WHVVGIVSWGVCGG 410
Db 408 QRCNSRYVDNLITPAMICAGFLQGNVDSQDGGPLVTSKNNIWWLIGDTSWGSGCAK 467
QY 411 PSTPGVYTKVSAYLNWIYNVWKA 434
Db 468 AYRPGVYGNVMVFTDWIYRQMRAD 491

RESULT 5
US-09-518-046-2
; Sequence 2, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.

; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: complete amino acid sequence of TADG-12
; OTHER INFORMATION: protein
US-09-518-046-2
Query Match 28.0%; Score 655.5; DB 3; Length 454;
Best Local Similarity 35.7%; Pred. No. 1.5e-58;
Matches 158; Conservative 73; Mismatches 149; Indels 63; Gaps 18;
QY 22 IPMETFRKVGIPIIIIALLSLASIIIVVLIKVILD---KY----YFLCGQPLHFIPRKQL 74
Db 44 LPFEVFSQSSSLGIIAL-----ILALAIGLGIHFDCSGKYRCRSSFKC---IELITR--- 92
QY 75 CDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALA 134
Db 93 CDGVSDCKDGEDEYRC-----VRVGQNAVQLQVFTAA--SWKTMCSDDWKGHYA 139
QY 135 ETACRQMGYS-----KPTFRAVEIGPDQDLVDVEITENSQELMRNSSGCPCL 182
Db 140 NVACAQLGFPSYVSSDNLRVSSLEGQFREFEVSIDHLLPDDKVTALHSHVYVREG---CA 196
QY 183 SGSLVSLHCLACG-KSLKTPRVVGGEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLT 241
Db 197 SGHVVTLOCTACGHRRGYSSRIVGGMNLSLSQWPWQASLOFQGYHLGGSVITPLWIITA 256
QY 242 AHCFRKHTDVF---NWKVRAGSKL--GSFPLAVAKIIIIIEFNPY-PK--DNIDIALMK 293
Db 257 AHCV---YDLYLPKSWTIQVGLVSLDNPAPSHLVEKIV---YHSKYKPKRLGNDIALMK 310
QY 294 LQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWFTKQNGKMSDILLQASVQVIDSTR 353
Db 311 LAGPLTFNEMIQPVCLPNSEENFPDGKVCWTSGWGAT-EDGGDASPVLNHAAVPLISNKI 369
QY 354 CNADDAYQGEVTEKMMKAGIPEGGVDTCCQDSSGGPLMYQSDQ-WHVVGIVSWGVCGGPS 412
Db 370 CNHRDVIYGGIISPSMLCAGYLTTGGVDSQDSSGGPLVCQERLWKLVGATSFYIGCAEVN 429
QY 413 TPGVYTKVSAYLNWIYNVWKAEL 435
Db 430 KPGVYTRVTSFLDWIHEQMERDL 452

RESULT 6
US-09-820-002-4
; Sequence 4, Application US/09820002
; Patent No. 6482630
; GENERAL INFORMATION:
; APPLICANT: Gan, Weiniu
; APPLICANT: Ye, Jane
; APPLICANT: DiFrancesco, Valentina
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001194
; CURRENT APPLICATION NUMBER: US/09/820,002
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 417

```

; TYPE: PRT
; ORGANISM: HUMAN
US-09-820-002-4
  Query Match      25.1%; Score 588.5; DB 4; Length 417;
  Best Local Similarity 31.5%; Pred. No. 9.7e-52;
  Matches 140; Conservative 60; Mismatches 161; Indels 83; Gaps 11;

QY 19 KPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDYFLCGQPLHFIPRKQLCDGE 78
Db 15 RPKVAALT---AGTLLLLTAIGAASWAIVAVLLR-----45

QY 79 LDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALAEATAC 138
Db 46 -----SDQE-----PLYPQVSSADARLMVFDKTEGTWRLLCSSLRSNARVAGLSC 90

QY 139 ROMGYSSKPTFRAVEIGPDQDLVDVEITEN-----SQELMRNMSGPCLS 183
Db 91 EEMGF-----LRAL---THSELDVRTAGANGTSGFFCVDEGRLPHTQRLLEVISPSDCPR 142

QY 184 GSLVSLHCLACG-KSLKTPRVVGGEEASVDSWPQVSIQYDKQHVCGGSILDPHWVLTAA 242
Db 143 GRFLAALCQDCGRRKLPVDRIVGGRDTSLGRWPQVSLRYDGAHLGGSLSGDWVLTAA 202

QY 243 HCFRKHTDVF-NWVRAGSKLGFPPSLAVAKIIIEFNPMY-----KNDIALMK 293
Db 203 HCFPERNRVLSRWRFAGAVAQAASPHGLQLGVQAVVYHGGYLPFRDPNSENSNDIALVH 262

QY 294 LQPLTFSGTVRPICLPFFDEELTPATPLWIIGWFTKQNGKMSDILLQASVQVIDSTR 353
Db 263 LSSPLPLTEYIQVCLPAAGQALVDGKICTVTGWGNT-QYGGQAGVLQEARVPIISNDV 321

QY 354 CNADDAYQGEVTEKMMCAGIPEGVDTCCQDGGGGLMYQ-----SDQWHVVGVISWGYGC 408
Db 322 CNGADFYGNQIKPKMFCAGYPEGGIDACQDGGGPFVCEBDSISRTPRWRLCGIVSWGTC 381

QY 409 GGPSTPGVYTKVSAYLNWIYNVWK 432
Db 382 ALAQKPGVYTKVSDFREWFQAIAK 405

RESULT 7
US-09-261-416-2
; Sequence 2, Application US/09261416A
; Patent No. 6291663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
; TITLE OF INVENTION: Overexpressed in Ovarian Carcinoma
; FILE REFERENCE: D6192
; CURRENT APPLICATION NUMBER: US/09/261,416A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO.2
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of TADG-12 encoded by nucleotides
; OTHER INFORMATION: 144 to 1511 of Sequence 1
; Patent No. 6291663
US-09-261-416-2
  Query Match      24.9%; Score 584; DB 3; Length 455;
  Best Local Similarity 34.2%; Pred. No. 3.2e-51;
  Matches 153; Conservative 73; Mismatches 150; Indels 72; Gaps 21;

QY 22 IPMETFRKVGIPPIIIALLSLASIIIVVLIKVILD---KY----YFLCGQPLHFIPRKQL 74
Db 44 LPFEVFSQSSGLGIIAL-----ILALAIGLGHFDSCGYKRCRSSFKC---IELITR--- 92

QY 75 CDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALA 134
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Db 93 CDGVSDCKDGEDEYRC-----VRVGQNAVQLQVFTAA--SWKTCSDDDWKGHYA 139

QY 135 ETACROMGYSS-----KPTFRAVEIGPDQDLVDVEITENSQELMRNMSGPCPL 182
Db 140 NVACAQLGFPSYVSSDNLRLVSSLEGGQFREEFYSIDHLLPDDKVLTALHHSVYVREG---CA 196

QY 183 SGSLVSLHCLACG-KSLKTPRVVGGEEASVDSWPQVSIQYDKQHVCGGSILDPHWVLTAA 241
Db 197 SGHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPQASLOFQGYHLCGGSVITPLWIITA 256

QY 242 AHCPRKHTDVF---NWKVRAGSDKL--GSFSLAVAKIIIEFNPMY-PK--DNDIALMK 293
Db 257 AHCV---YDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIV---YHSKYKPKRLGNDIALMK 310

QY 294 LQPLTFSGTVRPICLPFFDEELTPATPLWIIGWFTKQNGKMSDILLQASVQVIDSTR 353
Db 311 LAGPLTFNEMIQVCLPENSENFPPDGKVCWTSGWGAT-EDGGDASPVLNHAAVPLIS--- 366

QY 354 CNADDAYQGEVTEKMM-----CAGIPEG-GVDTCCQDGGGGLMYQSDQ-WHVVGIVSWGYG 407
Db 367 -NKDLQPGQGRVRWHHLPLHALRGLPDGWRWNSCQDGGGGLVCQERRLWKLVGATSFQIG 425

QY 408 CGPSTPGVYTKVSAYLNWIYNVWKAE 435
Db 426 CADVNKPGVYTRVTSFLDWIHEQMERDL 453

RESULT 8
US-09-820-002-2
; Sequence 2, Application US/09820002
; Patent No. 6482630
; GENERAL INFORMATION:
; APPLICANT: Gan, Weiniu
; APPLICANT: Ye, Jane
; APPLICANT: DiFrancesco, Valentina
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001194
; CURRENT APPLICATION NUMBER: US/09/820,002
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 376
; TYPE: PRT
; ORGANISM: HUMAN
US-09-820-002-2
  Query Match      24.8%; Score 580; DB 4; Length 376;
  Best Local Similarity 30.8%; Pred. No. 6.2e-51;
  Matches 132; Conservative 57; Mismatches 146; Indels 94; Gaps 9;

QY 19 KPRIPMETFRKVGIPPIIIALLSLASIIIVVLIKVILDKYFLCGQPLHFIPRKQLCDGE 78
Db 15 RPKVAALT---AGTLLLLTAIGAASWAIVAVLLR-----45

QY 79 LDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALAEATAC 138
Db 46 -----SDQE-----PLYPQVSSADARLMVFDKTEGTWRLLCSSLRSNARVAGLSC 90

QY 139 ROMGYSSKPTFRAVEIGPDQDLVDVEITENSQELMRNMSGPCLSGSLVSLHCLACG-KS 197
Db 91 EEMGFSL-----DCPRGFLLAALCQDCGRRK 116

QY 198 LKTPRVVGGEEASVDSWPQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHDTDFN-WKV 256
Db 117 LPVDRIVGGRDTSLGRWPQVSLRYDGAHLGGSLSGDWVLTAAHCFPERNRVLSRWV 176

QY 257 RAGSDKLGSFPPLAVAKIIIEFNPMY-----KNDIALMKLQPLTFSGTVRPI 308
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Db 177 FAGAVAQASPHGLQLGVQAVVYHGGYLPFRDPNSENNDIALVHLSPLPLTEYIQPVC 236

QY 309 LPFFDEELTPATPLWIGWFTKONGKMSDILLQASVQVIDSTECNADDAAYQGEVTEKM 368

Db 237 LPAAGQALVDGKICTVTGWGNT-QYVGQAGVLOEARVPIISNDVCNGADFYGNQIKPKM 295

QY 369 MCAGIPEGGVDTCQSDSGGPLMYQ-----SDQWHVVGVISWGYGCGPSTPGVYTKVSAY 423

Db 296 FCAGYPEGGIDACQSDSGGPFVCEDSISRTFRWRLCGIVSWGTCGALAQKPGVYTKVSDF 355

QY 424 LNWIYNVWK 432

Db 356 REWIFQAIAK 364

RESULT 9

US-09-000-846-2

; Sequence 2, Application US/09000846

; Patent No. 5981830

; GENERAL INFORMATION:

; APPLICANT: WU, QINGYU

; APPLICANT: SADLER, JASPER

; TITLE OF INVENTION: KNOCKOUT MICE AND THEIR PROGENY WITH

; TITLE OF INVENTION: DISRUPTED SERINE PROTEASE GENES

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C.

; STREET: 2200 CLARENDON BLVD. SUITE 1400

; CITY: ARLINGTON

; STATE: VA

; COUNTRY: US

; ZIP: 22201

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/000,846

; FILING DATE: 30-DEC-1997

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/866,058

; FILING DATE: 30-MAY-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: LEBOVITZ, RICHARD M.

; REGISTRATION NUMBER: 37,067

; REFERENCE/DOCKET NUMBER: BERLX 65P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 703-243-6333

; TELEFAX: 703-243-6410

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 416 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-000-846-2

Query Match 24.5%; Score 574; DB 2; Length 416;

Best Local Similarity 30.8%; Pred. No. 3e-50;

Matches 135; Conservative 62; Mismatches 151; Indels 90; Gaps 10;

QY 30 VGIPILALLSLASIIIVVLIKVILDKYYFLCGQLHFIPRKQLCDGELDCPLGEDEEH 89

Db 22 VGTLLFLTGTGAASWAIVTILLQ-----SDQE- 48

QY 90 CVKSPFEGPAVAVRLSKDRSTLQVLD SATGNWFSA CFNFT EALAE TACQMGY----- 143

Db 49 -----PLYQVQLSPGDSRLAVFDKTEGTWRLLCSSRSNARVAGLGCCEMGFLRALAH 100

QY 144 -----SSKPTTFAVEIG-----PDQDLVDVVEITENSQELMRNNSGFCLSGSLVSL 189

Db 101 SELDVRTAGANGTSGFFCVDEGGLRLAQRLLDVISVCD-----CPRGRFLTA 147

QY 190 HCLACG-KSLKTPRVVGGEEASVDSWPQVSIQYDKQHVCGSILDPHWVLTAAHCFRKH 248

Db 148 TCQDCGRRKLPVDRIVGGQDSSLGRWPQVSLRYDGTGLCGSLLSGDWLTAHCFPER 207

QY 249 TDVFN-WKVRAGSKDLGSPFSLAVAKIIIEFNPMYP-----KDNDIALMKLOFLT 299

Db 208 NRVLRSRVRFAGAVARTSPHAVQLGVQAVIYHGGYLPFRDPTIDENSNDIALVHLSLSP 267

QY 300 FSGTVRPICLPFFDEELTPATPLWIGWFTKONGKMSDILLQASVQVIDSTRCNADDA 359

Db 268 LTEYIQPVCLPAAGQALVDGKICTVTGWGNT-QFYGQQAMVLOEARVPIISNEVCNSPDF 326

QY 360 YQGEVTEKMMCAGIPEGGVDTCQSDSGGPLMYQ-----SDQWHVVGVISWGYGCGPSTP 414

Db 327 YGNQIKPKMFCAGYPEGGIDACQSDSGGPFVCEDSISGTSRWRLCGIVSWGTCALARKP 386

QY 415 GVTYKVSAYLNWIYNVWK 432

Db 387 GVTYKVTDFREWIFKAIAK 404

RESULT 10

US-08-200-900A-2

; Sequence 2, Application US/08200900A

; Patent No. 5665566

; GENERAL INFORMATION:

; APPLICANT:

; TITLE OF INVENTION: CLONING OF ENTEROKINASE AND METHOD OF USE

; NUMBER OF SEQUENCES: 38

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genetics Institute, Inc. - Legal Affairs

; STREET: 87 CambridgePark Drive

; CITY: Cambridge

; STATE: MA

; COUNTRY: USA

; ZIP: 02140

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/200,900A

; FILING DATE: 23-FEB-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Meinert, Maureen C.

; REGISTRATION NUMBER: 31,544

; REFERENCE/DOCKET NUMBER: GI 5201-FWC

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 876-1170 X8574

; TELEFAX: (617) 876-5851

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 798 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-200-900A-2

Query Match 24.4%; Score 571; DB 1; Length 798;

Best Local Similarity 35.0%; Pred. No. 1.6e-49;

Matches 133; Conservative 67; Mismatches 138; Indels 42; Gaps 15;

QY 69 IPRKQLCDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLD SATGNWFSA CFDN 128

Db 435 IPLVNLCDGFPCHKDGSDEAHCVRLF-NGTTDSSGLVQFR--IQSI-----WHVACAEN 485

QY 129 FTEALAE TACQMGY-----SSKPTTFAVEIGPDQDLVDVE-----ITENSQELMRNNSGPF 180

Db 486 WTTQISDDVCCQLGLGTGNSVPTF-STGGGPYVNLNTAPNGSLILTPSQQ----- 535
QY 181 CLSGSLVSLHC--LACGKSLKT-----PRVVGEEASVDWPWQVSIQYDKQHVCSSILD 234
Db 536 CLEDSLILLCQNYKSCGKLVTOEVSPKIVGSDSREGAWPVVVALYFDDQQVCGASLVS 595
QY 235 PHWVLTAAHC-FRKHTDVFNWVKVRAGSKLGSF--PSLAVAKIIIEFNPMY---PKDND 288
Db 596 RDWLVSAAHCYVGRNMEPSKWKAVLGLHMASNLTSPOIETRLIDQIVINPHYNKRKNND 655
QY 289 IALMKLQFLPTFSGTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQV 348
Db 656 IAMHLEMKVNYTDYIQICLPEENQVFPFGRICSIAGWGALIYQ-GSTADVLQEADVPL 714
QY 349 IDSTRCNADDAYQGEVTEKMCAGIEGGVDTCQDSSGGPLMYQ-SDQWHVVGIVSWGYG 407
Db 715 LSNEKCO-QQPEYNITENMVCAGYEAGGVDSQCGDSSGGPLMCQENNRWLLAGVTSFGYQ 773
QY 408 CGGPSTPGVYTKVSAYLNI 427
Db 774 CALPNRPGVYARVPRFTIEWI 793

RESULT 11
PCT-US94-00616-2
; Sequence 2, Application PC/TUS9400616
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: CLONING OF ENTEROKINASE AND METHOD OF USE
; NUMBER OF SEQUENCES: 33
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/00616
; FILING DATE:
; CLASSIFICATION:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 798 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US94-00616-2

Query Match 24.4%; Score 571; DB 5; Length 798;
Best Local Similarity 35.0%; Pred. No. 1.6e-49;
Matches 133; Conservative 67; Mismatches 138; Indels 42; Gaps 15;

QY 69 IPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLD SATGNWFSAFND 128
Db 435 IPLVNLCDGFPCHKDGSDEAHCVRLE-NGTDSGLVQFR--IQSI-----WHVACAEN 485
QY 129 FTEALAEACRQWGY---SSKPTFRAVEIGPDQDLDVVE---ITENSQELMRNSSGP 180
Db 486 WTTQISDDVCCQLGLGTGNSVPTF-STGGGPYVNLNTAPNGSLILTPSQQ----- 535
QY 181 CLSGSLVSLHC--LACGKSLKT-----PRVVGEEASVDWPWQVSIQYDKQHVCSSILD 234
Db 536 CLEDSLILLCQNYKSCGKLVTOEVSPKIVGSDSREGAWPVVVALYFDDQQVCGASLVS 595
QY 235 PHWVLTAAHC-FRKHTDVFNWVKVRAGSKLGSF--PSLAVAKIIIEFNPMY---PKDND 288
Db 596 RDWLVSAAHCYVGRNMEPSKWKAVLGLHMASNLTSPOIETRLIDQIVINPHYNKRKNND 655
QY 289 IALMKLQFLPTFSGTVRPICLPFFDEELTPATPLWIIIGWFTKQNGKMSDILLQASVQV 348
Db 656 IAMHLEMKVNYTDYIQICLPEENQVFPFGRICSIAGWGALIYQ-GSTADVLQEADVPL 714
QY 349 IDSTRCNADDAYQGEVTEKMCAGIEGGVDTCQDSSGGPLMYQ-SDQWHVVGIVSWGYG 407

Db 715 LSNEKCO-QQPEYNITENMVCAGYEAGGVDSQCGDSSGGPLMCQENNRWLLAGVTSFGYQ 773
QY 408 CGGPSTPGVYTKVSAYLNI 427
Db 774 CALPNRPGVYARVPRFTIEWI 793
RESULT 12
US-08-508-448C-25
; Sequence 25, Application US/08508448C
; Patent No. 5804410
; GENERAL INFORMATION:
; APPLICANT: Kazuyoshi YAMAOKA et al.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCE ENCODING
; TITLE OF INVENTION: TRYPSIN-LIKE ENZYME AND PROCESS FOR PRODUCING THE ENZYME
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,448C
; FILING DATE: July 28, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 418 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-508-448C-25

Query Match 24.3%; Score 568; DB 1; Length 418;
Best Local Similarity 32.4%; Pred. No. 1.2e-49;
Matches 138; Conservative 79; Mismatches 149; Indels 60; Gaps 14;
QY 33 PIIIALSLASIIIVVVLKIVLDKYYFLCGQPLHPIPRK--QLCDGELDCPL----- 83
Db 16 PYVVCPIVAGVILAVTIALIV---YFLAFDQKSYFYRSSFQLLNVEYNSQLNSPATQE 72
QY 84 -----GEDEEHCVKSFPEG-----PAVAVRLSKD-----RSTLQVLD SATGNWFSAFND 127
Db 73 YRTLSGRIESLITKTTFESNLNRNQFIRAHVAKLQDGSQVRAVVMKFQFTRNNNGASM- 131
QY 128 NFTEALAEACRQWGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRN--SSGPCLSGS 185
Db 132 ---KRIESVLRQMLNNS-----GNLEINP--STEITSLTDQAANWLINECAGAPDLI-- 180
QY 186 LVSLHCLACGKSLKTPRVVVGEEASVDWPWQVSIQYDKQHVCSSILD PHWVLTAAHCF 245
Db 181 -----TLSEQRILGTEAEEGSWPQVSLRNAHHCSSGLNNWMLTAAHCF 229
QY 246 RKHTDVFNWVKVRAGSKLGSFPPL--AVAKIIIEFNPMYPKDNDIALMKLQFLPTFSGT 303

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Db 230 RSNNSPRDWIATSGIST--TFPKLRMRVRNLIHNNYKSATHENDIALVRLNSVTFTKD 287
QY 304 VRPICLPFFDEELTPATPLWIIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAAYQGE 363
Db 288 IHSVCLPAATQNIIPPGSTAYVTGWGAQEYAGHTVPE-LRQGVRIISNDVCNAPHSYNGA 346
QY 364 VTEKMMCAGIPEGGVDTCQDSDGGPLMYQSDQ--WHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 347 ILSGMLCAGVPQGGVDACQDSDGGPLVQEDSRRLWFIWIVSWGDQCGLPKPGVYTRVT 406
QY 422 AYLNWI 427
Db 407 AYLDWI 412

RESULT 13
US-09-370-838-82
; Sequence 82, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 82
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-370-838-82
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```
Query Match 24.3%; Score 568; DB 4; Length 418;
Best Local Similarity 32.4%; Pred. No. 1.2e-49;
Matches 138; Conservative 79; Mismatches 149; Indels 60; Gaps 14;

QY 33 PIIIALSLASIIIVVLKVIDKYFLCGQLHFIPRK--QLCDGELDCPL----- 83
Db 16 PYVVCFIVVAGVILAVTIALLV---YFLAFDQKSYFYRSSFQLLNVEYNSQLNSPATQE 72
QY 84 -----GEDEEHCVKSPFEG-----PAVAVRLSKD----RSTLQVLDSATGNWFSACFD 127
Db 73 YRTLSGRIESLITKTFKESNLNRNQFIRAHVAKLRQDGSQVRAVVMKFQFTRNNNGASM- 131
QY 128 NFTEALAEACRQMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRN--SSGPCLSGS 185
Db 132 ---KSRIESVLRQMLNNS-----GNLEINP--STEITSLTDQAAANWLINECGAGPDLI-- 180
QY 186 LVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHF 245
Db 181 -----TLSEQRILGGTEAEEGSWPQVSLRLNNAHCHGGSLLNNMWILTAAHCF 229
QY 246 RKHTDVFNWKVRAGSDKLGSPFSL--AVAKIIIEFNPMYPKNDIALMKLQFPLTFSGT 303
Db 230 RSNNSPRDWIATSGIST--TFPKLRMRVRNLIHNNYKSATHENDIALVRLNSVTFTKD 287
QY 304 VRPICLPFFDEELTPATPLWIIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAAYQGE 363
Db 288 IHSVCLPAATQNIIPPGSTAYVTGWGAQEYAGHTVPE-LRQGVRIISNDVCNAPHSYNGA 346
QY 364 VTEKMMCAGIPEGGVDTCQDSDGGPLMYQSDQ--WHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 347 ILSGMLCAGVPQGGVDACQDSDGGPLVQEDSRRLWFIWIVSWGDQCGLPKPGVYTRVT 406
QY 422 AYLNWI 427
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Db 407 AYLDWI 412

RESULT 14
US-09-370-838-83
; Sequence 83, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 83
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-370-838-83
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Query Match 24.3%; Score 568; DB 4; Length 418;
Best Local Similarity 32.4%; Pred. No. 1.2e-49;
Matches 138; Conservative 79; Mismatches 149; Indels 60; Gaps 14;

QY 33 PIIIALSLASIIIVVLKVIDKYFLCGQLHFIPRK--QLCDGELDCPL----- 83
Db 16 PYVVCFIVVAGVILAVTIALLV---YFLAFDQKSYFYRSSFQLLNVEYNSQLNSPATQE 72
QY 84 -----GEDEEHCVKSPFEG-----PAVAVRLSKD----RSTLQVLDSATGNWFSACFD 127
Db 73 YRTLSGRIESLITKTFKESNLNRNQFIRAHVAKLRQDGSQVRAVVMKFQFTRNNNGASM- 131
QY 128 NFTEALAEACRQMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMRN--SSGPCLSGS 185
Db 132 ---KSRIESVLRQMLNNS-----GNLEINP--STEITSLTDQAAANWLINECGAGPDLI-- 180
QY 186 LVSLHCLACGKSLKTPRVVVGEEASVDSWPWQVSIQYDKQHVCGGSILDPHWLTAACHF 245
Db 181 -----TLSEQRILGGTEAEEGSWPQVSLRLNNAHCHGGSLLNNMWILTAAHCF 229
QY 246 RKHTDVFNWKVRAGSDKLGSPFSL--AVAKIIIEFNPMYPKNDIALMKLQFPLTFSGT 303
Db 230 RSNNSPRDWIATSGIST--TFPKLRMRVRNLIHNNYKSATHENDIALVRLNSVTFTKD 287
QY 304 VRPICLPFFDEELTPATPLWIIIGWFTKONGGKMSDILLQASVQVIDSTRCNADDAAYQGE 363
Db 288 IHSVCLPAATQNIIPPGSTAYVTGWGAQEYAGHTVPE-LRQGVRIISNDVCNAPHSYNGA 346
QY 364 VTEKMMCAGIPEGGVDTCQDSDGGPLMYQSDQ--WHVVGVISWGYCGGPGSTPGVYTKVS 421
Db 347 ILSGMLCAGVPQGGVDACQDSDGGPLVQEDSRRLWFIWIVSWGDQCGLPKPGVYTRVT 406
QY 422 AYLNWI 427
Db 407 AYLDWI 412

RESULT 15
US-09-370-838-62
; Sequence 62, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Roadoh
```


; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.475C1
; CURRENT APPLICATION NUMBER: US/09/370,838
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/285,323
; EARLIER FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 289
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 62
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-370-838-62

Query Match		24.2%;	Score 566;	DB 4;	Length 418;
Best Local Similarity		32.2%;	Pred. No. 2e-49;		
Matches	137;	Conservative	80;	Mismatches	149;
				Indels	60;
				Gaps	14;

Qy	33	PIIALLSLASIIIVVVLKIVLDKYYFLCGQPLHPIPRK--QLCDGELDCPL-----	83
Db	16	PVVVCFIVVAGVILAVTIALLV---YFLAFDQKSYFYRSSFQLLNVEYNSQLNSPATQE	72
Qy	84	-----GEDEEHCVKSFPEG-----PAVAVRLSKD-----RSTLQVLDSATGNWFSACFD	127
Db	73	YRTLSGRIESLITTKTFKESNLNRNQFIRAHVAKLRQDGGVGRADVVVMKFQFTRNNNGASM-	131
Qy	128	NFTEALAEACROMGYSSKPTFRAVEIGPDQDLVDVVEITENSQELMRN--SSGPCLSGS	185
Db	132	---KSRIESVLRQMLNS-----GNLEINP--STEITSLTDQAAANWLINCECAGPDLI--	180
Qy	186	LVSLHCLACGKSLKTPRVVVGGEASVDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCF	245
Db	181	-----TLSEQRILGCTEAEEGSPWQVSLRLNNAHCHGGSLLNNWILTAAHCF	229
Qy	246	RKHTDVFNWKVRAGSKLGSPSL--AVAKIIIEFNPMYPKNDIALMKLQFPLTFSGT	303
Db	230	RSNENPRDWIATSGIST--TFPKLRMRVRNLIHNNYKSATHENDIALVRLNSVTFTKD	287
Qy	304	VRPICLPFFDEELTPATPLWIGWFTKQNGGKMSDILLQASVQVIDSTRCNADDDAYQGE	363
Db	288	IHSVCLPAATQNIIPPGSTAYVTGWGAQYAGHTVPE-LRQGQVRIISNDVCNAPHSYNGA	346
Qy	364	VTEKMMCAGIPEGGVDTCQDGGGGLMYQSDQ--WHVVGVISWGYCGGSPSTPGVYTKVS	421
Db	347	ILSGMLCAGVPQGGVDACQDGGGGLVQEDSRRLWPIVGVISWGDQCGLPKPGVYTRVT	406
Qy	422	AYLNWI	427
Db	407	AYIDWI	412

Search completed: December 2, 2003, 02:31:09
Job time : 33.7125 secs